STIC-ILL

vol w 437391

From: STIC-Biotech/ChemLib
Sent: Thursday, March 20, 2003 7:20 AM
To: STIC-ILL
Subject: FW: 09850697

10027135

-----Original Message-----
From: Yaen, Christopher
Sent: Wednesday, March 19, 2003 5:00 PM
T : STIC-Biotech/ChemLib
Subject: 09850697

could you please get the following ref(s):

Thromb Haemost 1989 Nov 24;62(3):846-9 2595658

Appl Environ Microbiol 1994 Aug;60(8):2793-801

Antonie Van Leeuwenhoek 1996 Feb;69(2):151-9

Oncogene 2000 Mar 16;19(12):1579-88

Christopher Yaen
Patent Examiner
US PTO
Art Unit 1642
CM1-Rm 8E18
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703-305-3586

STIC-ILL

NO 437370

From: STIC-Biotech/ChemLib
Sent: Thursday, March 20, 2003 7:20 AM
To: STIC-ILL
Subject: FW: 09850697

-----Original Message-----
From: Yaen, Christopher
Sent: Wednesday, March 19, 2003 5:00 PM
To: STIC-Biotech/ChemLib
Subject: 09850697

10026554

could you please get the following ref(s):

Thromb Haemost 1989 Nov 24;62(3):846-9

Appl Environ Microbiol 1994 Aug;60(8):2793-801

Antonie Van Leeuwenhoek 1996 Feb;69(2):151-9 8775975

Oncogene 2000 Mar 16;19(12):1579-88

Christopher Yaen
Patent Examiner
US PTO
Art Unit 1642
CM1-Rm 8E18
Mail Box 8E12
703-305-3586

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 NEWS  4  Apr 09  ZDB will be removed from STN
 NEWS  5  Apr 19  US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
 NEWS  6  Apr 22  Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
 NEWS  7  Apr 22  BIOSIS Gene Names now available in TOXCENTER
 NEWS  8  Apr 22  Federal Research in Progress (FEDRIP) now available
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 NEWS 10  Jun 10  MEDLINE Reload
 NEWS 11  Jun 10  PCTFULL has been reloaded
 NEWS 12  Jul 02  FOREGE no longer contains STANDARDS file segment
 NEWS 13  Jul 22  USAN to be reloaded July 28, 2002;
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 NEWS 28  Oct 24  BEILSTEIN adds new search fields
 NEWS 29  Oct 24  Nutraceuticals International (NUTRACEUT) now available on STN
 NEWS 30  Oct 25  MEDLINE SDI run of October 8, 2002
 NEWS 31  Nov 18  DKILIT has been renamed APOLLIT
 NEWS 32  Nov 25  More calculated properties added to REGISTRY
 NEWS 33  Dec 02  TIBKAT will be removed from STN
 NEWS 34  Dec 04  CSA files on STN
 NEWS 35  Dec 17  PCTFULL now covers WP/PCT Applications from 1978 to date
 NEWS 36  Dec 17  TOXCENTER enhanced with additional content
 NEWS 37  Dec 17  Adis Clinical Trials Insight now available on STN
 NEWS 38  Dec 30  ISMEC no longer available
 NEWS 39  Jan 13  Indexing added to some pre-1967 records in CA/CAPLUS
 NEWS 40  Jan 21  NUTRACEUT offering one free connect hour in February 2003
 NEWS 41  Jan 21  PHARMAML offering one free connect hour in February 2003
 NEWS 42  Jan 29  Simultaneous left and right truncation added to COMPENDEX,
                  ENERGY, INSPEC
 NEWS 43  Feb 13  CANCERLIT is no longer being updated
 NEWS 44  Feb 24  METADEX enhancements
 NEWS 45  Feb 24  PCTGEN now available on STN
 NEWS 46  Feb 24  TEMA now available on STN
 NEWS 47  Feb 26  NTIS now allows simultaneous left and right truncation
 NEWS 48  Feb 26  PCTFULL now contains images
 NEWS 49  Mar 04  SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS 50  Mar 19  APOLLIT offering free connect time in April 2003

 NEWS EXPRESS  January 6 CURRENT WINDOWS VERSION IS V6.01a,
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FILE 'HOME' ENTERED AT 12:10:52 ON 20 MAR 2003

=> file medline, cancerlit, biosis, confsci, scisearch, caplus, embase, uspatfull,
pctfull
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=> s SPAF
L1          202 SPAF
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=> s l1 and vector
L2          13 L1 AND VECTOR

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3          12 DUP REM L2 (1 DUPLICATE REMOVED)

=> d 1-12

L3      ANSWER 1 OF 12     PCTFULL   COPYRIGHT 2003 Univentio
AN      2003014322 PCTFULL  ED 20030303  EW 200308
TIEN    PROTEINS ASSOCIATED WITH CELL GROWTH, DIFFERENTIATION, AND DEATH
TIFR    PROTEINES ASSOCIEES A LA CROISSANCE, LA DIFFERENTIATION ET LA MORT
        CELLULAIRES
IN      AZIMZAI, Yalda, 5518 Boulder Canyon Drive, Castro Valley, CA 94552, US
        (US, US);
        BARROSO, Ines, 38 Eden Street, Cambridge, Kent CB1 1EL, GB (PT, GB);
        BAUGHN, Mariah, R., 14244 Santiago Road, San Leandro, CA 94577, US (US,
        US);
        BECHA, Shanya, D., 21062 Gary Drive # 117, Castro Valley, CA 94546, US
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        BOROWSKY, Mark, L., 122 Orchard Avenue, Redwood City, CA 94061, US (US,
        US);
        DUGGAN, Brendan, M., 243 Buena Vista Avenue # 306, Sunnyvale, CA 94086,
        US (AU, US);
        ELLIOTT, Vicki, S., 3770 Polton Place Way, San Jose, CA 95121, US (US,
        US);
        EMERLING, Brooke, M., 1735 Woodland Avenue # 71, Palo Alto, CA 94303, US
        (US, US);
        FORSYTHE, Ian, J., 308 Roble Avenue, Redwood City, CA 94061, US (US,
        US);
        GIETZEN, Kimberly, J., 691 Los Huecos Drive, San Jose, CA 95123, US (US,
        US);
        GORVAD, Ann, E., 369 Marie Common, Livermore, CA 94550, US (US, US);
        GRAUL, Richard, C., 682-29th Avenue, San Francisco, CA 94121, US (US,
        US);
        GRIFFIN, Jennifer, A., 33691 Mello Way, Fremont, CA 94555, US (US, US);
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        ISON, Craig, H., 1242 Weathersfield Way, San Jose, CA 95118, US (US,
        US);
        KABLE, Amy, E., 2345 Polk Street #4, San Francisco, CA 94109, US (US,
        US);
        KHAN, Farrah, A., 3617 Central Road #102, Glenview, IL 60025, US (IN,
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        LEE, Soo Yeun, 40 Westdale Avenue, Daly City, CA 94015, US (KR, US);
        LI, Joana, X., 1264 Geneva Avenue, San Francisco, CA 94112, US (US, US);
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        SPRAGUE, William, W., 611 13th Street # C, Sacramento, CA 95814, US (US,
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        SWARNAKAR, Anita, 8 Locksley Avenue #5D, San Francisco, CA 94122, US
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        TANG, Y. Tom, 4230 Ranwick Court, San Jose, CA 95118, US (US, US);
        WARREN, Bridget, A., 1810 S. El Camino Real #B103, Encinitas, CA 94024,
        US (US, US);
        XU, Yuming, 1739 Walnut Drive, Mountain View, CA 94040, US (US, US);
        YAO, Monique, G., 1189 Woodgate Drive, Carmel, IN 46033, US (US, US);
        YUE, Henry, 826 Lois Avenue, Sunnyvale, CA 94087, US (US, US);
        YUE, Huibin, 1170 South Stelling Road, Cupertino, CA 95014, US (US, US)
PA      INCYTE GENOMICS, INC., 3160 Porter Drive, Palo Alto, CA 94304, US (US,
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        AZIMZAI, Yalda, 5518 Boulder Canyon Drive, Castro Valley, CA 94552, US
        (US, US), for US only;
        BARROSO, Ines, 38 Eden Street, Cambridge, Kent CB1 1EL, GB (PT, GB), for
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        GIETZEN, Kimberly, J., 691 Los Huecos Drive, San Jose, CA 95123, US (US,
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        GORVAD, Ann, E., 369 Marie Common, Livermore, CA 94550, US (US, US), for
        US only;
        GRAUL, Richard, C., 682-29th Avenue, San Francisco, CA 94121, US (US,
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        GRIFFIN, Jennifer, A., 33691 Mello Way, Fremont, CA 94555, US (US, US),
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        GURURAJAN, Rajagopal, 5591 Dent Avenue, San Jose, CA 95118, US (IN, US),
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        HAFALIA, April, J.A., 2227 Calle de Primavera, Santa Clara, CA 95054, US
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        ISON, Craig, H., 1242 Weathersfield Way, San Jose, CA 95118, US (US,
        US), for US only;
        KABLE, Amy, E., 2345 Polk Street #4, San Francisco, CA 94109, US (US,
        US), for US only;
        KHAN, Farrah, A., 3617 Central Road #102, Glenview, IL 60025, US (IN,
        US), for US only;
        LEE, Sally, 3643 26th Street, San Francisco, CA 94110, US (US, US), for
        US only;
        LEE, Soo Yeun, 40 Westdale Avenue, Daly City, CA 94015, US (KR, US), for
        US only;
        LI, Joana, X., 1264 Geneva Avenue, San Francisco, CA 94112, US (US, US),
        for US only;
        REDDY, Roopa, 1233 West McKinley Drive # 3, Sunnyvale, CA 94086, US (IN,
        US), for US only;
        RICHARDSON, Thomas, W., 616 Canyon Road #107, Redwood City, CA 94062, US
        (US, US), for US only;
        SPRAGUE, William, W., 611 13th Street # C, Sacramento, CA 95814, US (US,
        US), for US only;
        SWARNAKAR, Anita, 8 Locksley Avenue #5D, San Francisco, CA 94122, US
        (CA, US), for US only;
        TANG, Y. Tom, 4230 Ranwick Court, San Jose, CA 95118, US (US, US), for
        US only;
        WARREN, Bridget, A., 1810 S. El Camino Real #B103, Encinitas, CA 94024,
        US (US, US), for US only;
        XU, Yuming, 1739 Walnut Drive, Mountain View, CA 94040, US (US, US), for
        US only;
        YAO, Monique, G., 1189 Woodgate Drive, Carmel, IN 46033, US (US, US),
        for US only;
        YUE, Henry, 826 Lois Avenue, Sunnyvale, CA 94087, US (US, US), for US
        only;
        YUE, Huibin, 1170 South Stelling Road, Cupertino, CA 95014, US (US, US),
        for US only
AG      HAMLET-COX, Diana, Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto,
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CA 94304, US
LAF English
LA English
DT Patent
PI WO 2003014322 A2 20030220
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ
UA UG US UZ VN YU ZA ZM ZW
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2002-US25465 A 20020808
PRAI US 2001-60/311,017 20010808
US 2001-60/313,070 20010817
US 2001-60/313,071 20010817
US 2001-60/314,678 20010824
US 2001-60/316,692 20010831
US 2001-60/317,913 20010907
US 2001-60/322,182 20010914
US 2001-60/340,747 20011207
US 2001-60/342,761 20011220
US 2002-60/369,129 20020329

L3 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
AN 2002:755245 CAPLUS
DN 137:274175
TI DNA, cDNA and protein sequences of spermatogenesis assocd. factors a method for diagnosis of cancer
IN Kulesz-Martin, Molly F.; Liu, Yuangang
PA USA
SO U.S. Pat. Appl. Publ., 42 pp., Cont.-in-part of U.S. Ser. No. 777,753.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2002143169	A1	20021003	US 2001-850697	20010508
PRAI US 1997-938308	B2	19970927		
US 2001-777753	A2	20010206		

L3 ANSWER 3 OF 12 USPATFULL
AN 2002:301167 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002168711 A1 20021114
AI US 2001-764868 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
US 2000-180628P 20000204 (60)
US 2000-214886P 20000628 (60)
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US 2000-236370P 20000929 (60)
US 2000-236802P 20001002 (60)
US 2000-237037P 20001002 (60)
US 2000-237040P 20001002 (60)
US 2000-240960P 20001020 (60)
US 2000-239935P 20001013 (60)
DT Utility
FS APPLICATION
LN.CNT 31967
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/320.100; 435/183.000; 530/350.000; 536/023.100
NCL NCLM: 435/069.100
NCLS: 435/325.000; 435/320.100; 435/183.000; 530/350.000; 536/023.100
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N009-00; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 12 USPATFULL
AN 2002:112541 USPATFULL
TI Proteins related to schizophrenia and uses thereof
IN St. George-Hyslop, Peter H., Toronto, CANADA
Fraser, Paul E., Toronto, CANADA
PA The Governing Council of the University of Toronto (non-U.S. corporation)
PI US 2002058276 A1 20020516
AI US 2001-945258 A1 20010831 (9)
PRAI US 2000-229889P 20000901 (60)
DT Utility
FS APPLICATION
LN.CNT 2909
INCL INCLM: 435/006.000
INCLS: 424/009.200; 800/003.000
NCL NCLM: 435/006.000

NCLS: 424/009.200; 800/003.000
IC [7]
ICM: C12Q001-68
ICS: A61K049-00; A01K067-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 5 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2002099062 PCTFULL ED 20021218 EW 200250
TIEN NOVEL ANTIBODIES THAT BIND TO ANTIGENIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING THE ANTIGENS, AND METHODS OF USE
TIFR NOUVEAUX ANTICORPS SE FIXANT A DES POLYPEPTIDES ANTIGENIQUES, ACIDES NUCLEIQUES CODANT LES ANTIGENES ET MODES D'UTILISATION
IN ANDERSON, David, W., 85 Montoya Drive, Branford, CT 06405, US [US, US];
ZERHUSEN, Bryan, D., 337 Monticello Drive, Branford, CT 06405, US [US, US];
LI, Li, 56 Jerimoth Drive, Branford, CT 06405, US [CN, US];
ZHONG, Mei, 45 Harrison Avenue, Apartment 1B, Branford, CT 06405, US [CA, US];
CASMAN, Stacie, J., 17 Peck Street, North Haven, CT 06473, US [US, US];
GERLACH, Valerie, L., 18 Rock Pasture Road, Branford, CT 06405, US [US, US];
SHIMKETS, Richard, A., 5 Indian Meadows Drive, Guilford, CT 06437, US [US, US];
GORMAN, Linda, 329 Monticello Drive, Branford, CT 06405, US [US, US];
PENA, Carol, E., A., 604 Orange Street, Number 2, New Haven, CT 06511, US [US, US];
KEKUDA, Ramesh, 1213 Avalon Valley Drive, Danbury, CT 06810, US [IN, US];
PATTURAJAN, Meera, 45 Harrison Avenue, Apartment 1C, Branford, CT 06405, US [IN, US];
SPYTEK, Kimberly, A., 28 Court Street, Number 1, New Haven, CT 06511, US [US, US];
LEITE, Mario, W., 756 Orange Avenue, Milford, CT 06460, US [US, US];
RASTELLI, Luca, 52 Pepperbush Lane, Guilford, CT 06437, US [IT, US];
MACDOUGALL, John, R., 117 Russell Street, Hamden, CT 06517, US [CA, US];
TAUPIER, Raymond, J., Jr., 34 Pardee Place Extension, East Haven, CT 06512, US [US, US];
GUO, Xiaojia, 713 Robert Frost Drive, Branford, CT 06405, US [CN, US];
MILLER, Charles, E., 98 Saddle Hill Drive, Guilford, CT 06437, US [US, US];
SHENOY, Suresh, G., 15 Millwood Drive, Branford, CT 06405, US [IN, US];
HJALT, Tord, 514 Main Street, Apartment 30, East Haven, CT 06512, US [SE, US];
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BOLDOG, Ferenc, L., 1687 Hartford Tumpike, North Haven, CT 06473, US [HU, US];
MALYANKAR, Uriel, M., 229 Branford Road, Number 330, Branford, CT 06405, US [IN, US];
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JI, Weizhen, 3 Business Park Drive, Room 101, Branford, CT 06405, US [CN, US];
SMITHSON, Glennda, 125 Michael Drive, Guildford, CT 06435, US [US, US];
EDINGER, Shlomit, R., 766 Edgewood Avenue, New Haven, CT 06515, US [US, US];
MILLET, Isabelle, 74 Carrington Avenue, Milford, CT 06460, US [FR, US];
ELLERMAN, Karen, 87 Montoya Drive, Branford, CT 06405, US [US, US]
PA CURAGEN CORPORATION, 555 Long Wharf Drive, 11th floor, New Haven, CT 06511, US [US, US], for all designates States except US;
ANDERSON, David, W., 85 Montoya Drive, Branford, CT 06405, US [US, US], for US only;
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ZHONG, Mei, 45 Harrison Avenue, Apartment 1B, Branford, CT 06405, US [CA, US], for US only;
CASMAN, Stacie, J., 17 Peck Street, North Haven, CT 06473, US [US, US], for US only;
GERLACH, Valerie, L., 18 Rock Pasture Road, Branford, CT 06405, US [US, US], for US only;
SHIMKETS, Richard, A., 5 Indian Meadows Drive, Guilford, CT 06437, US [US, US], for US only;
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PENA, Carol, E., A., 604 Orange Street, Number 2, New Haven, CT 06511, US [US, US], for US only;
KEKUDA, Ramesh, 1213 Avalon Valley Drive, Danbury, CT 06810, US [IN, US], for US only;
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SPYTEK, Kimberly, A., 28 Court Street, Number 1, New Haven, CT 06511, US [US, US], for US only;
LEITE, Mario, W., 756 Orange Avenue, Milford, CT 06460, US [US, US], for US only;
RASTELLI, Luca, 52 Pepperbush Lane, Guilford, CT 06437, US [IT, US], for US only;
MACDOUGALL, John, R., 117 Russell Street, Hamden, CT 06517, US [CA, US], for US only;
TAUPIER, Raymond, J., Jr., 34 Pardee Place Extension, East Haven, CT 06512, US [US, US], for US only;
GUO, Xiaojia, 713 Robert Frost Drive, Branford, CT 06405, US [CN, US], for US only;
MILLER, Charles, E., 98 Saddle Hill Drive, Guilford, CT 06437, US [US, US], for US only;
SHENOY, Suresh, G., 15 Millwood Drive, Branford, CT 06405, US [IN, US], for US only;
HJALT, Tord, 514 Main Street, Apartment 30, East Haven, CT 06512, US [SE, US], for US only;
VOSS, Edward, Z., 123 Knollwood Drive, Wallingford, CT 06492, US [US, US], for US only;
BOLDOG, Ferenc, L., 1687 Hartford Tumpike, North Haven, CT 06473, US [HU, US], for US only;
MALYANKAR, Uriel, M., 229 Branford Road, Number 330, Branford, CT 06405, US [IN, US], for US only;
PADIGARU, Muralidhara, 71 Hampton Park, Branford, CT 06405, US [IN, US], for US only;
JI, Weizhen, 3 Business Park Drive, Room 101, Branford, CT 06405, US [CN, US], for US only;
SMITHSON, Glennda, 125 Michael Drive, Guildford, CT 06435, US [US, US], for US only;
EDINGER, Shlomit, R., 766 Edgewood Avenue, New Haven, CT 06515, US [US, US], for US only;
MILLET, Isabelle, 74 Carrington Avenue, Milford, CT 06460, US [FR, US], for US only;
ELLERMAN, Karen, 87 Montoya Drive, Branford, CT 06405, US [US, US], for US only
AG ELRIFI, Ivor, R., Mintz, Levin, Cohn, Ferris, Glovsky, and Popeo, P., C., One Financial Center, Boston, MA 02111, US
LAF English
LA English
DT Patent
PI WO 2002099062 A2 20021212
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
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RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2002-US17559 A 20020604
PRAI US 2001-60/295,607 20010604
US 2001-60/296,418 20010606
US 2001-60/296,404 20010606
US 2001-60/296,575 20010607
US 2001-60/297,414 20010611
US 2001-60/297,573 20010612
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US 2001-60/298,285 20010614
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US 2001-60/337,524 20011116
US 2001-60/341,143 20011214
US 2002-60/359,151 20020221
US 2002-60/358,643 20020221
US 2002-60/361,195 20020228
US 2002-60/361,964 20020305
US 2002-60/371,523 20020410
US 2002-60/371,346 20020410
US 2002-10/161,493 20020603

L3 ANSWER 6 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2002046385 PCTFULL ED 20020624 EW 200224
TIEN ENZYMES
TIFR ENZYMES
IN TANG, Y., Tom, 4230 Ranwick Court, San Jose, CA 95118, US [US, US];
GRIFFIN, Jennifer, A., 33691 Mello Way, Fremont, CA 94555, US [US, US];
YUE, Henry, 826 Lois Avenue, Sunnyvale, CA 94087, US [US, US];
LEE, Ernestine, A., 624 Kains Street, Albany, CA 94706, US [US, US];
BAUGHN, Mariah, R., 14244 Santiago Road, San Leandro, CA 94577, US [US, US];
DUGGAN, Brendan, M., 243 Buena Vista Avenue #306, Sunnyvale, CA 94086, US [AU, US];
WALIA, Narinder, K., 890 Davis Street, #205, San Leandro, CA 94577, US [US, US];
LEE, Sally, 825 East Evelyn, #425, Sunnyvale, CA 94086, US [US, US];
RAMKUMAR, Jayalaxmi, 34359 Maybird Circle, Fremont, CA 94555, US [IN, US];
WARREN, Bridget, A., 10130 Parkwood Drive #2, Cupertino, CA 95014, US [US, US];
GANDHI, Ameena, R., 705 5th Avenue, San Francisco, CA 94118, US [US, US];
LU, Dyung, Aina, M., 233 Coy Drive, San Jose, CA 95123, US [US, US];
LU, Yan, 3885 Corrina Way, Palo Alto, CA 94303, US [CN, US];
YAO, Monique, G., 1189 Woodgate Drive, Carmel, IN 46033, US [US, US];
DING, Li, 3353 Alma Street #146, Palo Alto, CA 94306, US [CN, US];
TRIBOULEY, Catherine, M., 1121 Tennessee Street, #5, San Francisco, CA 94107, US [FR, US];
SANJANWALA, Madhu, M., 210 Sylvia Court, Los Altos, CA 94024, US [US, US];
ARVIZU, Chandra, 490 Sherwood Way #1, Menlo Park, CA 94025, US [US, US];
HILLMAN, Jennifer, L., 230 Monroe Drive, #17, Mountain View, CA 94040, US [US, US]
PA INCYTE GENOMICS, INC., 3160 Porter Drive, Palo Alto, CA 94304, US [US, US], for all designates States except US;
TANG, Y., Tom, 4230 Ranwick Court, San Jose, CA 95118, US [US, US], for US only;
GRIFFIN, Jennifer, A., 33691 Mello Way, Fremont, CA 94555, US [US, US], for US only;
YUE, Henry, 826 Lois Avenue, Sunnyvale, CA 94087, US [US, US], for US only;
LEE, Ernestine, A., 624 Kains Street, Albany, CA 94706, US [US, US], for US only;
BAUGHN, Mariah, R., 14244 Santiago Road, San Leandro, CA 94577, US [US, US], for US only;
DUGGAN, Brendan, M., 243 Buena Vista Avenue #306, Sunnyvale, CA 94086, US [AU, US], for US only;
WALIA, Narinder, K., 890 Davis Street, #205, San Leandro, CA 94577, US [US, US], for US only;
LEE, Sally, 825 East Evelyn, #425, Sunnyvale, CA 94086, US [US, US], for US only;
RAMKUMAR, Jayalaxmi, 34359 Maybird Circle, Fremont, CA 94555, US [IN, US], for US only;
WARREN, Bridget, A., 10130 Parkwood Drive #2, Cupertino, CA 95014, US [US, US], for US only;
GANDHI, Ameena, R., 705 5th Avenue, San Francisco, CA 94118, US [US, US], for US only;
LU, Dyung, Aina, M., 233 Coy Drive, San Jose, CA 95123, US [US, US], for US only;
LU, Yan, 3885 Corrina Way, Palo Alto, CA 94303, US [CN, US], for US only;
YAO, Monique, G., 1189 Woodgate Drive, Carmel, IN 46033, US [US, US], for US only;
DING, Li, 3353 Alma Street #146, Palo Alto, CA 94306, US [CN, US], for US only;
TRIBOULEY, Catherine, M., 1121 Tennessee Street, #5, San Francisco, CA 94107, US [FR, US], for US only;
SANJANWALA, Madhu, M., 210 Sylvia Court, Los Altos, CA 94024, US [US, US], for US only;
ARVIZU, Chandra, 490 Sherwood Way #1, Menlo Park, CA 94025, US [US, US], for US only;
HILLMAN, Jennifer, L., 230 Monroe Drive, #17, Mountain View, CA 94040, US [US, US], for US only
AG HAMLET-COX, Diana, Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto, CA 94304, US
LAF English
LA English
DT Patent
PI WO 2002046385 A2 20020613
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
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RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
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RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2001-US47432 A 20011204
PRAI US 2000-60/251,824 20001207
US 2000-60/254,312 20001208
US 2000-60/255,773 20001214
US 2000-60/256,188 20001215
US 2000-60/255,940 20001215
US 2000-60/257,488 20001221
US 2001-60/262,839 20010119
US 2001-60/264,402 20010126
ICM C12N009-00

L3 ANSWER 7 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2002029113 PCTFULL ED 20020627 EW 200215
TIEN METHODS FOR MONITORING MULTIPLE GENE EXPRESSION
TIFR METHODES DE SURVEILLANCE DE L'EXPRESSION GENETIQUE MULTIPLE
IN BERKA, Randy, 3609 Modoc, Davis, CA 95616, US;
CLAUSEN, Ib, Groth, Fyrrestein 6, DK-3400 Hillerod, DK
PA NOVOZYMES BIOTECH, INC., 1445 Drew Avenue, Davis, CA 95616, US [US, US];
NOVOZYMES A/S, Krogshoejvej 36, DK-2880 Bagsvaerd, DK [DK, DK]
AG STARNES, Robert, Novozymes Biotech, Inc., 1445 Drew Avenue, Davis, CA 95616, US
LAF English
LA English
DT Patent
PI WO 2002029113 A2 20020411
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
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NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG
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RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2001-US31437 A 20011005
PRAI US 2000-09/680,598 20001006
US 2001-60/279,526 20010327
ICM C12Q001-68

L3 ANSWER 8 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2002018434 PCTFULL ED 20020705 EW 200210
TIEN PROTEINS RELATED TO SCHIZOPHRENIA AND USES THEREOF
TIFR PROTEINES LIEES A LA SCHIZOPHRENIE ET UTILISATIONS DE CELLES-CI
IN ST.GEORGE-HYSLOP, Peter, H., 210 Richview Avenue, Toronto, Ontario M5P 3G3, CA;
FRASER, Paul, E., 611 Windermere Avenue, Toronto, Ontario M6S 3L9, CA
PA THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, Simcoe Hall, Room 133S, 27 King's College Circle, Toronto, Ontario M5S 1A1, CA [CA, CA]
AG RAE, Patricia, A., Sim & McBurney, 330 University Avenue, 6th Floor, Toronto, Ontario M5G 1R7, CA
LAF English
LA English
DT Patent
PI WO 2002018434 A2 20020307
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
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RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2001-CA1243 A 20010831
PRAI US 2000-60/229,889 20000901
ICM C07K014-47

L3 ANSWER 9 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2002006339 PCTFULL ED 20020814
TIEN NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
TIFR NOUVELLES PROTEINES ET ACIDES NUCLEIQUES LES CODANT
IN SPADERNA, Steven, K.;
TCHERNEV, Velizar;
LIU, Xiaohong;
SHENOY, Suresh;
SPYTEK, Kimberly;
ZERHUSEN, Bryan;
PATTURAJAN, Meera;
TAUPIER, Raymond, J.;
RASTELLI, Luca;
GROSSE, William, M.;
SZEKERES, Edward, S.;
ALSOBROOK, John, II;
LEPLEY, Denise, M.;
SHEN, Lei;
BURGESS, Catherine, E.;
SHIMKETS, Richard, A.;
PADIGARU, Muralidhara
PA CURAGEN CORPORATION;
SPADERNA, Steven, K.;
TCHERNEV, Velizar;
LIU, Xiaohong;
SHENOY, Suresh;
SPYTEK, Kimberly;
ZERHUSEN, Bryan;
PATTURAJAN, Meera;
TAUPIER, Raymond, J.;
RASTELLI, Luca;
GROSSE, William, M.;
SZEKERES, Edward, S.;
ALSOBROOK, John, II;
LEPLEY, Denise, M.;
SHEN, Lei;
BURGESS, Catherine, E.;
SHIMKETS, Richard, A.;
PADIGARU, Muralidhara
DT Patent
PI WO 2002006339 A2 20020124
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
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KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC
NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 2001-US21249 A 20010703
PRAI US 2000-60/215,854 20000703
US 2000-60/215,856 20000703
US 2000-60/215,902 20000703
US 2000-60/216,585 20000707
US 2000-60/216,586 20000707
US 2000-60/216,722 20000707
US 2000-60/218,622 20000717
US 2000-60/218,992 20000717
US 2000-60/221,285 20000727
US 2001-60/268,734 20010214
US 2001-60/274,260 20010308
US 2001-60/279,856 20010329
ICM C07K014-47

L3 ANSWER 10 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2001054733 PCTFULL ED 20020827
TIEN NUCLEIC ACIDS, PROTEINS AND ANTIBODIES
TIFR ACIDES NUCLEIQUES, PROTEINES ET ANTICORPS
IN ROSEN, Craig, A.;
BARASH, Steven, C.;
RUBEN, Steven, M.
PA HUMAN GENOME SCIENCES, INC.;
ROSEN, Craig, A.;
BARASH, Steven, C.;
RUBEN, Steven, M.

DT Patent

PI WO 2001054733 A1 20010802

DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE
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MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 2001-US1312 A 20010117

PRAI US 2000-60/179,065 20000131
US 2000-60/180,628 20000204
US 2000-60/184,664 20000224
US 2000-60/186,350 20000302
US 2000-60/189,874 20000316
US 2000-60/190,076 20000317
US 2000-60/198,123 20000418
US 2000-60/205,515 20000519
US 2000-60/209,467 20000607
US 2000-60/214,886 20000628
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        US 2000-60/251,856      20001208
        US 2000-60/251,868      20001208
        US 2000-60/251,990      20001208
        US 2000-60/251,989      20001208
        US 2000-60/254,097      20001211
        US 2001-60/259,678      20010105
ICM     A61K048-00
ICS     C12N005-00

L3      ANSWER 11 OF 12   PCTFULL   COPYRIGHT 2003 Univentio
AN      2001045007 PCTFULL  ED 20020827
TIEN    A METHOD AND SYSTEM FOR DISCOVERY OF TRADES BETWEEN PARTIES
TIFR    PROCEDE ET SYSTEME PERMETTANT DE DECOUVRIR DES MARCHES ENTRE DES PARTIES
IN      MACREADY, William, G.;
        EL-BELTAGY, Mohammed;
        ROY, Barbeau;
        ANDERSON, Mark
PA      BIOS GROUP INC.
DT      Patent
PI      WO 2001045007         A1 20010621
DS      W:          AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE
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                    RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
                    SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI      WO 2000-US33017       A  20001206
PRAI    US 1999-60/168,754       19991206
        US 2000-60/194,880       20000406
ICM     G06F017-60

L3      ANSWER 12 OF 12   PCTFULL   COPYRIGHT 2003 Univentio
AN      2000060069 PCTFULL  ED 20020515
TIEN    A PRESENILIN ASSOCIATED MEMBRANE PROTEIN AND USES THEREOF
TIFR    PROTEINE MEMBRANAIRE ASSOCIEE A LA PRESENILINE ET SES UTILISATIONS
IN      ST. GEORGE-HYSLOP, Peter, H.;
        FRASER, Paul, E.
PA      THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO
LA      English
DT      Patent
PI      WO 2000060069         A1 20001012
DS      W:          AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
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                    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
                    GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM
                    AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
                    CF CG CI CM GA GN GW ML MR NE SN TD TG
AI      WO 2000-CA354         A  20000403
PRAI    US 1999-60/127,452       19990401
        US 1999-60/173,826       19991230
ICM     C12N015-12
ICS     C07K014-705; A01K067-027; C12N005-10; C12Q001-68; G01N033-50
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=> d kwic 12

L3      ANSWER 12 OF 12   PCTFULL   COPYRIGHT 2003 Univentio

DETD    Furthermore, mutant PAMP nucleic acids, proteins, or peptides, cells
        transfected with vectors comprising mutant PAMP nucleic acids,
        transgenic
        animals expressing mutant PAMP or peptides thereof, and their use in
        studying Alzheimer's Disease and other. . .

        The invention also provides vectors, and particularly
        expression
          vectors (e.g., cos-Tet vector), which include any of
        the above-described
        SUBSTITUTE SHEET (RULE 26)
        nucleic acids. It is a further object of the invention to provide
        vectors in which
        normal or mutant PAMP nucleic acid sequences are operably joined to
        exogenous regulatory regions to produce altered patterns of expression,.
        . .
. . .   .
        phenotype on the cell in which it is
        expressed. The term expression system means a host cell transformed by a
        compatible expression vector and cultured under suitable
        conditions e.g. for
        the expression of a protein coded for by foreign DNA carried by the
        vector and
        introduced to the host cell.

        The terms vector, cloning vector and expression
        vector
        mean the vehicle by which a DNA or RNA sequence (e.g., a foreign gene)
        can
        be introduced into a host cell, so. . .

          Vectors include plasmids, phages, viruses, etc. A cassette
        refers to a DNA
        coding sequence or segment of DNA that codes for an expression product
        that can be inserted into a vector at defined restriction
        sites. The cassette
        restriction sites are designed to ensure insertion of the cassette in
        the proper
        reading frame. Generally, foreign DNA is inserted at one or more
        restriction
        sites of the vector DNA, and then is carried by the
        vector into a host cell along
        with the transmissible vector DNA. A segment or sequence of
        DNA having
        inserted or added DNA, such as an expression vector, can also
        be called a
        DNA construct. Recombinant cloning vectors will often include
        one or more
        SUBSTITUTE SHEET (RULE 26)
        replication systems for cloning or expression, one or more markers for
        selection in. . .

        In the context of the present invention, an gene is heterologous to the
        recombinant vector DNA in which it is inserted for cloning or
        expression, and it
        is heterologous to a host cell containing such a vector, in
        which it is
        expressed, e.g., a CHO cell.
. . .   .
        via Omaya
```

pumps inserted into the cerebral ventricles); via the transplantation of genetically-modified cells expressing recombinant genes; or via the use of
biological **vectors** (e.g., retrovirus, adenovirus, adeno-associated virus,
Lentivirus, or herpes simplex virus-based **vectors**) which allow targeted
expression of appropriately modified gene products in selected cell types. It
should be noted that the recombinant proteins described. . .
. .
or part of PAMP or PAMP
mutants, e.g., as mini-gene cDNA transgene constructs under the regulation
of suitable promoter elements carried in **vectors** such as cos-Tet for
transgenic mice and pcDNA (Invitrogen, California) in transfected cell lines.
. .
to identify
upstream and downstream modifiers of a PAMP phenotype. Transgenic
animals can also be prepared by introducing the transgene on a **vector**; such
animals, which are not modified in the germ line and are only transiently
transgenic, naturally cannot pass along the genetic information. . . .
. .
may be truncated),
1 5 can be introduced in vivo, ex vivo, or in vitro using a viral or a non-viral **vector**,
e.g., as discussed above. Expression in targeted tissues can be effected by
targeting the transgenic **vector** to specific cells, such as with a viral **vector** or a
receptor ligand, or by using a tissue-specific promoter, or both. Targeted
gene delivery is described in International Patent Publication WO. . .

Preferably, for in vivo administration, an appropriate immunosuppressive treatment is employed in conjunction with the viral **vector**,
e.g., adenovirus **vector**, to avoid immuno-deactivation of the viral **vector** and
transfected cells. For example, immunosuppressive cytokines, such as interleukin 12 (IL-12), interferon-y (IFNy), or anti-CD4 antibody, can be
administered to block humoral or cellular immune responses to the viral **vectors** (see, e.g., Wilson, Nature Medicine, 1995). In that regard, it is
advantageous to employ a viral **vector** that is engineered to express a minimal
number of antigens.

Herpes virus **vectors**. Because herpes virus is trophic for cells
of the nervous system (neural cells), it is an attractive **vector** for delivery of
function PAMP genes. Various defective (non-replicating, and thus non-infectious) herpes virus **vectors** have been described, such as a defective
herpes virus 1 (HSV1) **vector** (Kaplitt et al., Molec. Cell. Neurosci. 2:320-330,
1991, International Patent Publication No. WO 94/21807, published
SUBSTITUTE SHEET (RULE 26)
September 29, 1994; International. . .

Adenovirus **vectors**. Adenoviruses are eukaryotic DNA viruses that can be modified to efficiently deliver a nucleic acid of the invention to a
variety of. . . adenovirus, more preferably a CAV2 adenovirus (e.g., Manhattan or A26/61 strain (ATCC VR-800), for example). Various replication defective adenovirus and minimum adenovirus **vectors** have been
described for gene therapy (WO94126914, WO95/026971 WO94/28938,
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which is infected with a human helper virus (for. . .

Retrovirus **vectors**. In another embodiment the gene can be introduced in a retroviral **vector**, e.g., as described in Anderson et al., U.S.
. .
infect
dividing cells. The retrovirus genome includes two LTRs, an encapsidation
sequence and three coding regions (gag, pol and env). In recombinant retroviral **vectors**, the gag, pol and env genes are generally deleted, in whole
or in part, and replaced with a heterologous nucleic acid. . .

These **vectors** can be constructed from different types of retrovirus, such as
MoMuLV (murine Moloney leukemia virus), MEV (murine Moloney sarcoma virus), HaSV (Harvey. . . line PA317 (US
4,861,719); the PsiCRIP cell line (WO 90/02806) and the GP+envAm-12 cell line (WO 89/07150). In addition, the recombinant retroviral **vectors** can
contain modifications within the LTRs for suppressing transcriptional activity
as well as extensive encapsidation sequences which may include a part of the
gag gene (Bender et al., J. Virol. 61:1639, 1987). Recombinant retroviral
vectors are purified by standard techniques known to those having ordinary
skill in the art.

Retrovirus **vectors** can also be introduced by recombinant DNA viruses, which permits one cycle of retroviral replication and amplifies transfection efficiency (see WO 95/22617,. . .

Lentivirus **vectors**. In another embodiment, lentiviral **vectors**
are can be used as agents for the direct delivery and sustained expression of
a transgene in several tissue types, including brain, retina, muscle, liver and
blood. The **vectors** can efficiently transduce dividing and non-dividing cells in
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these tissues, and maintain long-term expression of the gene of. . .
, 72:9873-801 1998). Lentiviral packaging cell lines are available and known generally in the art. They facilitate the production of
high-titer lentivirus **vectors** for gene therapy. An example is a
tetracycline-inducible VSV-G pseudotyped lentivirus packaging cell line which
can generate virus particles at titers greater than 106 IU/mI for at least 3 to 4
days (Kafri, et al., J. Virol., 73: 576-584, 1999). The **vector**

produced by the
inducible cell line can be concentrated as needed for efficiently
transducing
nondividing cells in vitro and in vivo.

Non-viral **vectors**. A **vector** can be introduced in
vivo in a non-
viral **vector**, e.g., by lipofection, with other transfection
facilitating agents
(peptides, polymers, etc.), or as naked DNA. Synthetic cationic lipids
can be
used to. . .

DNA **vectors** for gene therapy can be introduced into the
desired host cells by
methods known in the art, e.g., electroporation, microinjection, cell
fusion,
DEAE dextran, calcium phosphate precipitation, use of a gene gun
(ballistic
transfection), or use of a DNA **vector** transporter (see, e.g.,
Wu et al., J. Biol.
. .
either V5-tagged PAMP or
empty plasmid (mock transfection control). Duplicate experiments were
performed by: (1) transient transfection of V5-PAMP and PAPP695 (or
empty
vector plus PAPP695 as a mock transfection control) into
murine embryonic
fibroblasts stably infected with human PS1 expressed from a retroviral
vector
construct (Clontech, CA)- or (2) transient transfection of V5-PAMP (or
an
empty plasmid) into HEK293 cell lines with a stable expression of. . .
. .
cells were transiently
transfected with PAMP cDNA (SEQ ID NO: 13) tagged at the 3'-end with a
V5-epitope encoded from the pcDNA6 **vector**. The conditioned
media were
collected 20 hr after transient transfection with PAMP (or with empty
vector),
and the Ap4o and AP42 levels were measured by ELISA (Zhang L, et al., J
Biol
Chem 1999; 274: 8966). In. . .
. .
region
D369L PAMR@312-369 in the central conserved region
D34OX: PAMPA312-340 in the central conserved region
YDT.- PAMPD458A in the putative 'aspartyl protease' DTA site
SPAF- PAMPP633A/F635A in the **SPAF** motif
TM: PAMPS683A in the TM domain
C31D: PAMPA630-668 in the conserved region adjacent to the TM
domain
To further examine the role of. . . above mutations, as well as
normal/wild
type PAMP (PAMPwt) ONA and the ONA for an unrelated protein (LacZ), in
frame into pcDNA6 **vectors**. A series of HEK293 cell lines
stably expressing
endogenous PS1 7 PAPPswedish and either wild type PAMP or PAMP
constructs
in which. . .
. .
or in the
AP42/Ak ratio, when the PAMPwt, PAMPD458A, PAMPA630-668,
PAMPP633A/F635A,
and PAMPS683A cells were compared to control lines (expressing LacZ, or
empty **vector**).

Mock (LacZ/empty 1.0 1.0 1.0
vector)
Wild type nicastrin 1.03 ± 0.09 1.05 ± 0.07 0.99 ±
0.07
D336A/Y337A 3.09 ± 0.50 1.61 ± 0.19 1.81 ± 0.15
(p. . .

CLMEN 10 A **vector** comprising the nucleic acid of claim 7 operatively
associated with an expression control sequence.

11 A cell transfected with the **vector** of claim 1 0.

15 A **vector** comprising the nucleic acid of claim 13
operatively
associated with an expression control sequence.
0 16. A cell transfected with the **vector** of claim 15.

=> d kwic 1

L3 ANSWER 1 OF 12 FCTFULL COPYRIGHT 2003 Univentio
ABEN . . . cell growth, differentiation, and death (CGDD) and
polynucleotides which identify and encode CGDD. Embodiments of the
invention also provide expression **vectors**, host cells,
antibodies, agonists, and antagonists. Other embodiments provide methods
for diagnosing, treating, or preventing disorders associated with
aberrant expression. . .

DETD . . . Hamada, K. et al. (1996; Cancer Res. 56:3047-3054) are
investigating the introduction of
p53 into cervical cancer cells via an adenoviral **vector** as an
experimental therapy for cervical cancer.

Spermatogenesis associated factor (**SPAF**) is an AAA-protein
(ATPase associated with
diverse. activities) specific to early spermatogenesis and malignant
conversion. **SPAF** is expressed in
spermatogonia and early spermatocytes in the basal compartment of the
seminiferous tubules (Liu, Y.

Table 6 provides an appendix which describes the tissues and
vectors used for construction of
the cDNA libraries shown in Table 5.
. . .
are now
described. All publications mentioned herein are cited for the purpose
of describing and disclosing
the cell lines, protocols, reagents and **vectors** which are
reported in the publications and which might
be used in connection with various embodiments of the invention. Nothing
herein. . .
. . .
include a nucleic acid sequence operably
linked to a promoter sequence. Such a recombinant nucleic acid may be
part of a **vector** that is used,
for example, to transform a cell.

Alternatively, such recombinant nucleic acids may be part of a viral
vector, e.g., based on a
vaccinia virus, that could be use to vaccinate a mammal wherein the
recombinant nucleic acid is
expressed, inducing. . .
. . .

or by infection with
a recombinant virus. In another embodiment, the nucleic acid can be
introduced by infection with a
recombinant viral **vector**, such as a lentiviral **vector**
(Lois, C. et al. (2002) Science 295:868-872). The
term genetic manipulation does not include classical cross-breeding, or
in vitro fertilization, but
rather. . .
.
is 53% identical from residue M1 to residue K56, and
84% identical from residue G55 to residue G535, to Mus musculus
SPAF (spermatogenesis
associated factor, AAA family) (GenBank ID g4105619) as determined by
the Basic Local Alignment
Search Tool (BLAST). (See Table 2.) The. . .
.
most frequently represented by the Incyte cDNA sequences which were used
to
assemble and confirm the above polynucleotides. The tissues and
vectors which were used to
construct the cDNA libraries shown in Table 5 are described in Table 6.
.
fragments thereof, entirely by synthetic chemistry. After production,
the
synthetic polynucleotide may be inserted into any of the many available
expression **vectors** and cell
systems using reagents well known in the art. Moreover, synthetic
chemistry may be used to
introduce mutations into a polynucleotide. . .
.
method which may be employed,
restriction-site PCR, uses universal and nested primers to amplify
unknown sequence from genomic
DNA within a cloning **vector** (Sarkar, G. (1993) PCR Methods
Applic. 2:318-322). Another method,
inverse PCR, uses primers that extend in divergent directions to amplify
unknown. . .
.
order to express a biologically active CGDD, the polynucleotides
encoding CGDD or
derivatives thereof may be inserted into an appropriate expression
vector, i.e., a **vector** which contains
the necessary elements for transcriptional and translational control of
the inserted coding sequence in
a suitable host. These elements include regulatory sequences, such as
enhancers, constitutive and
inducible promoters, and 5'and 3'untranslated regions in the
vector and in polynucleotides encoding
CGDD. Such elements may vary in their strength and specificity. Specific
initiation signals may also
be used to. . . In cases where a
polynucleotide sequence encoding CGDD and its initiation codon and
upstream regulatory sequences
are inserted into the appropriate expression **vector**, no
additional transcriptional or translational
control signals may be needed. However, in cases where only coding
sequence, or a fragment thereof,
is inserted, exogenous translational control signals including an
in-frame ATG initiation codon should
be provided by the **vector**. Exogenous translational elements
and initiation codons may be of various
origins, both natural and synthetic. The efficiency of expression may
be. . .

Methods which are well known to those skilled in the art may be used to
construct expression
72
vectors containing polynucleotides encoding CGDD and
appropriate transcriptional and translational
control elements. These methods include in vitro recombinant DNA
techniques, synthetic techniques,
and. . .

A variety of expression **vector**/host systems may be utilized
to contain and express
polynucleotides encoding CGDD. These include, but are not litnited to,
microorganisms such as
bacteria transformed with recombinant bacteriophage, plasmid, or cosmid
DNA expression **vectors**;
yeast transformed with yeast expression **vectors**; insect cell
systems infected with viral expression
vectors (e.g., baculovirus); plant cell systems transformed
with viral expression **vectors** (e.g.,
cauliflower mosaic virus, CaMV, or tobacco mosaic virus, TMV) or with
bacterial expression **vectors**
(e.g., Ti or pBR322 plasmids); or animal cell systems (Sambrook, supra;
Ausubel et al., supra; Van
Heeke, G. and S.M. Schuster (1989). . .

Sci. USA 81:3655-3659; Harrington, J.J. et al. (1997) Nat. Genet.
15:345-355). Expression **vectors**
derived from retroviruses, adenoviruses, or herpes or vaccinia viruses,
or from various bacterial
plasmids, may be used for delivery of polynucleotides to. . .

In bacterial systems, a number of cloning and expression
vectors may be selected depending
upon the use intended for polynucleotides encoding CGDD. For example,
routine cloning,
subcloning, and propagation of polynucleotides encoding CGDD can be
achieved using a
multifunctional E. coli **vector** such as PBLUESCRIPT
(Stratagene, La Jolla CA) or PSPORT1
plasmid (Invitrogen). Ligation of polynucleotides encoding CGDD into the
vector's multiple cloning
site disrupts the lacZ gene, allowing a colorimetric screening procedure
for identification of
transformed bacteria containing recombinant molecules. In addition,
these **vectors** may be useful for
in vitro transcription, dideoxy sequencing, single strand rescue with
helper phage, and creation of
nested deletions in the. . .

264:5503-5509). When large quantities of CGDD are needed, e.g. for the
production of antibodies,
vectors which direct high level expression of CGDD may be
used. For example, **vectors** containing
73
the strong, inducible SP6 or T7 bacteriophage promoter may be used.

Yeast expression systems may be used for production of CGDD. A number
of **vectors**
containing constitutive or inducible promoters, such as alpha factor,
alcohol oxidase, and PGH
promoters, may be used in the yeast Saccharomyces cerevisiae or Pichia
pastoris. In addition, such
vectors direct either the secretion or intracellular retention
of expressed proteins and enable
integration of foreign polynucleotide sequences into the host genome.
.

mammalian cells, a number of viral-based expression systems may be utilized. In cases
where an adenovirus is used as an expression **vector**,
polynucleotides encoding CGDD may be ligated
into an adenovirus transcription/translation complex consisting of the late promoter and tripartite
leader sequence. Insertion in. . .

enhancers, such as the Rous sarcoma virus
(RSV) enhancer, may be used to increase expression in mammalian host cells. SV40 or EBV-based
vectors may also be used for high-level protein expression.

stable expression of
CGDD in cell lines is preferred. For example, polynucleotides encoding CGDD can be transformed
into cell lines using expression **vectors** which may contain
viral origins of replication and/or
endogenous expression elements and a selectable marker gene on the same or on a separate **vector**.

Following the introduction of the **vector**, cells may be
allowed to grow for about I to 2 days in
74
enriched media before being switched to selective media.. . .

not only to identify transformants, but also to quantify the amount of transient or stable protein expression attributable to a specific
vector system (Rhodes, C.A. (1995)
Methods Mol. Biol. 55:121-131).

Alternatively, polynucleotides encoding CGDD, or any fragments thereof, may be cloned into a
vector for the production of an mRNA probe. Such
vectors are known in the art, are commercially
available, and may be used to synthesize RNA probes in vitro by addition of. . .

from cell culture. The protein
produced by a transformed cell may be secreted or retained
intracellularly depending on the sequence
and/or the **vector** used. As will be understood by those of
skill in the art, expression **vectors**
containing polynucleotides which encode CGDD may be designed to contain signal sequences which
direct secretion of CGDD through a prokaryotic or eukaryotic. . .

129/SvJ cell line, are derived from the early mouse
embryo and grown in culture. The ES cells are transformed with a
vector containing the gene of
interest disrupted by a marker gene, e.g., the neomycin
phosphotransferase gene (neo; Capecchi, M.R.

(1989) Science 244:1288-1292). The **vector** integrates into the
corresponding region of the host
genome by homologous recombination. Alternatively, homologous recombination takes place using
the Cre-loxP system to. . .

In another embodiment, a **vector** capable of expressing CGDD or
a fragment or derivative
thereof may be administered to a subject to treat or prevent a. . .

In an additional embodiment, a **vector** expressing the
complement of the polynucleotide
encoding CGDD may be administered to a subject to treat or prevent a disorder associated. . .

In other embodiments, any protein, agonist, antagonist, antibody, complementary sequence, or
vector embodiments may be administered in combination with
other appropriate therapeutic agents.

Antisense sequences can also be introduced intracellularly through the use of viral **vectors**, such as
retrovirus and adeno-associated virus **vectors** (Miller, A.D. (1
990) Blood 76:27 1; Ausubel et al.,
supra; Uckert, W. and W. Walther (1994) Phannacol. Ther. 63:323-347).
Other. . .

In a further embodiment of the invention, diseases or disorders caused by deficiencies in
CGDD are treated by constructing mammalian expression **vectors**
encoding CGDD and introducing
these **vectors** by mechanical means into CGDD-deficient cells.
Mechanical transfer technologies for
use with cells in vivo or ex vitro include (i) direct. . .

Expression **vectors** that may be effective for the expression
of CGDD include, but are not
limited to, the PCDNA 3. 1, EPITAG, PRCCMV2, PREP, PVAX, PCR2-TOPOTA **vectors**
(Invitrogen, Carlsbad CA), PCMV-SCRIPT, PCMV-TAG, PEGSH/PERV (Stratagene, La Jolla CA),
and PTET-OFF, PTET-ON, PTRE2, PTRE2-LUC, PTK-HYG (Clontech, Palo Alto CA). CGDD may
be. . .

of the invention, diseases or disorders caused by genetic defects with respect to CGDD expression are treated b constructing a retrovirus
vector consisting of (i) the
. y
polynucleotide encoding CGDD under the control of an independent promoter or the retrovirus long
terminal repeat (LTR. . . . RNA packaging signals, and (iii) a Rev-responsive
element (RRE) along with additional retrovirus cis-acting RNA sequences and coding sequences
required for efficient **vector** propagation. Retrovirus
vectors (e.g., PFB and PFBNEO) are
commercially available (Stratagene) and are based on published data (Riviere, 1. et al. (1995) Proc.

Natl. Acad. Sci. USA 92:6733-6737), incorporated by reference herein. The **vector** is propagated in
an appropriate **vector** producing cell line (VPCL) that
expresses an envelope gene with a tropism for
receptors on the target cells or a promiscuous. . .

transducing efficiency retroviral supernatant)
discloses a method for obtaining retrovirus packaging cell lines and is hereby incorporated by
reference. Propagation of retrovirus **vectors**, transduction of
a population of cells (e.g., CD4' T-
cells), and the return of transduced cells to a patient are procedures.
. .

cells which have one or more genetic abnormalities with respect to the expression of CGDD. The construction and packaging of

adenovirus-based **vectors** are well
known to those with ordinary skill in the art. Replication defective
adenovirus **vectors** have proven to
be versatile for importing genes encoding immunoregulatory proteins into
intact islets in the pancreas
(Csete, M.E. et al. (1995) Transplantation 27:263-268). Potentially
useful adenoviral **vectors** are
88
described in U.S. Patent No. 5,707,618 to Armentano (Adenovirus
vectors for gene therapy),
hereby incorporated by reference. For adenoviral **vectors**, see
also Antinozzi, P.A. et al. (1999; Annu.
. . .
which have one or more genetic abnormalities with
respect to the expression of CGDD. The use of herpes simplex virus
(HSV)-based **vectors** may be
especially valuable for introducing CGDD to cells of the central nervous
system, for which HSV has a
tropism. The construction and packaging of herpes-based **vectors**
are well known to those with
ordinary skill in the art. A replication-competent herpes simplex virus
(HSV) type I-based **vector** has
been used to deliver a reporter gene to the eyes of primates (Liu, X. et
al. (1999) Exp. Eye Res.

169:385-395). The construction of a HSV-1 virus **vector** has
also been disclosed in detail in U.S.

For HSV **vectors**, see also Goins, W.F. et al. (1999; J. Virol.
73:519-532) and Xu, H. et al. (1994;
Dev. Biol. 163:152-161). The manipulation. . .

In another embodiment, an alphavirus (positive, single-stranded RNA
virus) **vector** is used to
deliver polynucleotides encoding CGDD to target cells. The biology of
the prototypic alphavirus,
Semliki Forest Virus (SFV), has been studied extensively and gene
transfer **vectors** have been based
on the SFV genome (Garoff, H. and K.-J. Li (1998) Curr. Opin.
Biotechnol. 9:464-469). During
alphavirus RNA replication, a. . . region results in the production
of a large number of
CGDD-coding RNAs and the synthesis of high levels of CGDD in
vector transduced cells. While
alphavirus infection is typically associated with cell lysis within a
few days, the ability to establish a
persistent infection. . .
. . .
vitro and in vivo transcription of DNA molecules encoding
CGDD. Such DNA sequences may be incorporated into a wide variety of
vectors with suitable RNA
polymerase promoters such as T7 or SP6. Alternatively, these cDNA
constructs that synthesize
complementary RNA, constitutively or inducibly, can. . .

Many methods for introducing **vectors** into cells or tissues
are available and equally suitable
for use in vivo, in vitro, and ex vivo. For ex vivo therapy,
vectors may be introduced into stem cells
taken from the patient and clonally propagated for autologous transplant
back into that same patient.
. . .
Means for producing specific hybridization probes for polynucleotides
encoding CGDD
include the cloning of polynucleotides encoding CGDD or CGDD derivatives
into **vectors** for the
production of mRNA probes. Such **vectors** are known in the art,
are commercially available, and may
be used to synthesize RNA probes in vitro by means of. . .
. . .
was provided with RNA and constructed the corresponding cDNA
libraries. Otherwise, cDNA was synthesized and cDNA libraries were
constructed with the UNIZAP
vector system (Stratage-ne) or SUPERSCRIPT plasmid system
(Invitrogen), using the recommended
procedures or similar methods known in the art (Ausubel et al.,. . .
. . .
of cDNA Clones
Plasmids obtained as described in Example I were recovered from host
cells by in vivo
excision using the LTNIZAP **vector** system (Stratagene) or by
cell lysis. Plasmids were purified using
at least one of the following: a Magic or WIZARD Minipreps. . .

The polynucleotide sequences derived from Incyte cDNAs were validated
by removing
vector, linker, and poly(A) sequences and by masking ambiguous
bases, using algorithms and
programs based on BLAST, dynamic programining, and dinucleotide nearest.
. .
. . .
plates,
digested with CviJI cholera virus endonuclease (Molecular Biology
Research, Madison WT, and
sonicated or sheared prior to religation into pUC 18 **vector**
(Amersham Biosciences). For shotgun
sequencing, the digested nucleotides were separated on low concentration
(0.6 to 0.8%) agarose gels,
fragments were excised, and. . . agar digested with Agar ACE
(Promega). Extended clones were
religated using T4 ligase (New England Biolabs, Beverly MA) into pUC 18
vector (Amersham
Biosciences), treated with Pfu DNA polymerase (Stratagene) to fill-in
restriction site overhangs, and
transfected into competent E. coli cells. Transformed cells. . .
. . .
by requiring a minimum Phred quality score of 15, and removed sequence
alignment
errors and errors resulting from improper trininling of **vector**
sequences, chimeras, and splice
variants. An automated procedure of advanced chromosome analysis
analysed the original
112
chromatogram files in the vicinity of the. . .
. . .
Microarray Preparatic
Sequences of the present invention are used to generate array elements.
Each array element
is amplified from bacterial cells containing **vectors** with
cloned cDNA inserts. PCR amplification
uses primers complementary to the **vector** sequences flanking
the cDNA insert. Array elements are
amplified in thirty cycles of PCR from an initial quantity of 1-2 ng.
.
. . .
CGDD is achieved using bacterial or virus-based expression
systems. For expression of CGDD in bacteria, cDNA is subcloned into an
appropriate **vector**
containing an antibiotic resistance gene and an inducible promoter that
directs high levels of cDNA

transcription. Examples of such promoters include, but. . . to, the trp-lac (tac) hybrid
promoter and the T5 or T7 bacteriophage promoter in conjunction with the lac operator regulatory
element. Recombinant **vectors** are transformed into suitable bacterial hosts, e.g., BL21(DE3).

. . .

by expressing the sequences encoding CGDD at physiologically elevated levels in mammalian cell culture systems. cDNA is subcloned into a mammalian expression
vector containing a strong promoter that drives high levels of cDNA expression. **Vectors** of choice
include PCMV SPORT plasmid (Invitrogen, Carlsbad CA) and PCR3.1 plasmid (Invitrogen), both of
which contain the cytornegalovirus promoter. 5-10 /,tg of recombinant **vector** are transiently
transfected into a human cell line, for example, an endothelial or hematopoietic cell line, using either
liposome formulations or electroporation.. . . protein provides a means to
distinguish transfected cells from nontransfected cells and is a reliable predictor of cDNA expression
from the recombinant **vector**. Marker proteins of choice
include, e.g., Green Fluorescent Protein
(GFP; Clontech), CD64, or a CD64-GFP fusion protein. Flow cytometry (FCM), an. . .

. . .

progression when CGDD is expressed at physiologically elevated levels in mammalian cell
culture systems. cDNA is subcIoned into a mammalian expression **vector** containing a strong
promoter that drives high levels of cDNA expression. **Vectors** of choice include PCMV SPORT (Life
Technologies, Gaithersburg, 1NM) and PCR 3.1 (Invitrogen, Carlsbad, CA), both of which contain the
cytomegalovirus promoter. 5-10 Mg of recombinant **vector** are transiently transfected into a human
cell line, preferably of endothelial or hernatopoietic origin, using either liposome formulations or
electroporation. 1-2 I-tg. . . provides a means to distinguish transfected cells from
nontransfected cells and is a reliable predictor of cDNA expression from the recombinant **vector**.

. . .

antisense CGDD RNA (Garkawsev, 1. and K. Riabowol (1997) Mol. Cell Biol. 17:2014-2019). cDNA encoding CGDD is subeloned into the pLNCX retroviral
vector to enable expression of antisense CGDD RNA. The resulting construct is transfected into the
ecotropic BOSC23 virus-packaging cell line. Virus contained. . .

Alternatively, CGDD can be expressed in a mammalian cell line by transfonning the cells
with a eukaryotic expression **vector** encoding CGDD. Eukaryotic expression **vectors** are
commercially available, and the techniques to introduce them into cells are well known to those
skilled in the art. To assay. . .

. . .

can be measured by designing an antisense
sequence to the 5'end of the gene and transfecting NIH 3T3 cells with a **vector** transcribing this
sequence. The suppression of the endogenous gene will allow transformed fibroblasts to produce
clumps of cells capable of·forming metastatic. . .

=> d ibib 1

L3 ANSWER 1 OF 12 PCTFULL COPYRIGHT 2003 Univentio
ACCESSION NUMBER: 2003014322 PCTFULL ED 20030303 EW 200308
TITLE (ENGLISH): PROTEINS ASSOCIATED WITH CELL GROWTH, DIFFERENTIATION, AND DEATH
TITLE (FRENCH): PROTEINES ASSOCIEES A LA CROISSANCE, LA DIFFERENTIATION ET LA MORT CELLULAIRES
INVENTOR(S): AZIMZAI, Yalda, 5518 Boulder Canyon Drive, Castro Valley, CA 94552, US [US, US];
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GIETZEN, Kimberly, J., 691 Los Huecos Drive, San Jose, CA 95123, US [US, US];
GORVAD, Ann, E., 369 Marie Common, Livermore, CA 94550, US [US, US];
GRAUL, Richard, C., 682-29th Avenue, San Francisco, CA 94121, US [US, US];
GRIFFIN, Jennifer, A., 33691 Mello Way, Fremont, CA 94555, US [US, US];
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KHAN, Farrah, A., 3617 Central Road #102, Glenview, IL 60025, US [IN, US];
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US [US, US];
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YUE, Henry, 826 Lois Avenue, Sunnyvale, CA 94087, US [US, US];
YUE, Huibin, 1170 South Stelling Road, Cupertino, CA 95014, US [US, US]

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YAO, Monique, G., 1189 Woodgate Drive, Carmel, IN 46033, US [US, US], for US only;
YUE, Henry, 826 Lois Avenue, Sunnyvale, CA 94087, US [US, US], for US only;
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AGENT: HAMLET-COX, Diana$, Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto, CA 94304$, US

LANGUAGE OF FILING: English
LANGUAGE OF PUBL.: English
DOCUMENT TYPE: Patent
PATENT INFORMATION:

	NUMBER	KIND	DATE
	WO 2003014322	A2	20030220

DESIGNATED STATES
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

APPLICATION INFO.:	WO 2002-US25465	A	20020808
PRIORITY INFO.:	US 2001-60/311,017		20010808
	US 2001-60/313,070		20010817
	US 2001-60/313,071		20010817
	US 2001-60/314,678		20010824
	US 2001-60/316,692		20010831
	US 2001-60/317,913		20010907
	US 2001-60/322,182		20010914
	US 2001-60/340,747		20011207
	US 2001-60/342,761		20011220
	US 2002-60/369,129		20020329

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=> d his

     (FILE 'HOME' ENTERED AT 12:10:52 ON 20 MAR 2003)

     FILE 'MEDLINE, CANCERLIT, BIOSIS, CONFSCI, SCISEARCH, CAPLUS, EMBASE,
     USPATFULL, PCTFULL' ENTERED AT 12:11:25 ON 20 MAR 2003
L1          202 S SPAF
L2           13 S L1 AND VECTOR
L3           12 DUP REM L2 (1 DUPLICATE REMOVED)

=> s l1 and DNA
L4           24 L1 AND DNA

=> dup rem l4
PROCESSING COMPLETED FOR L4
L5           19 DUP REM L4 (5 DUPLICATES REMOVED)

=> d 1-19

L5     ANSWER 1 OF 19    PCTFULL   COPYRIGHT 2003 Univentio
AN     2003014322 PCTFULL  ED 20030303  EW 200308
TIEN   PROTEINS ASSOCIATED WITH CELL GROWTH, DIFFERENTIATION, AND DEATH
TIFR   PROTEINES ASSOCIEES A LA CROISSANCE, LA DIFFERENTIATION ET LA MORT
       CELLULAIRES
IN     AZIMZAI, Yalda, 5518 Boulder Canyon Drive, Castro Valley, CA 94552, US
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YUE, Huibin, 1170 South Stelling Road, Cupertino, CA 95014, US [US, US], for US only

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LAF English
LA English
DT Patent
PI WO 2003014322 A2 20030220
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
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RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2002-US25465 A 20020808
PRAI US 2001-60/311,017 20010808

US 2001-60/313,070 20010817
US 2001-60/313,071 20010817
US 2001-60/314,678 20010824
US 2001-60/316,692 20010831
US 2001-60/317,913 20010907
US 2001-60/322,182 20010914
US 2001-60/340,747 20011207
US 2001-60/342,761 20011220
US 2002-60/369,129 20020329

L5 ANSWER 2 OF 19 MEDLINE DUPLICATE 1
AN 2002741165 MEDLINE
DN 22392627 PubMed ID: 12504078
TI Identification of the RT-RH/IN cleavage site of HTLV-I.
AU Mariani Victoria L; Shuker Suzanne Beckman
CS School of Chemistry and Biochemistry, Georgia Institute of Technology, Atlanta, GA 30332-0400, USA.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (2003 Jan 10) 300 (2) 268-70.
Journal code: 0372516. ISSN: 0006-291X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200302
ED Entered STN: 20021231
Last Updated on STN: 20030226
Entered Medline: 20030225

L5 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 2
AN 2002:755245 CAPLUS
DN 137:274175
TI DNA, cDNA and protein sequences of spermatogenesis assocd. factors a method for diagnosis of cancer
IN Kulesz-Martin, Molly F.; Liu, Yuangang
PA USA
SO U.S. Pat. Appl. Publ., 42 pp., Cont.-in-part of U.S. Ser. No. 777,753.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2002143169	A1	20021003	US 2001-850697	20010508
PRAI US 1997-938308	B2	19970927		
US 2001-777753	A2	20010206		

L5 ANSWER 4 OF 19 USPATFULL
AN 2002:336953 USPATFULL
TI Medical composition for managing hormone balance
IN Bland, Jeffrey S., Fox Island, WA, UNITED STATES
Liska, DeAnn J., Gig Harbor, WA, UNITED STATES
Tripp, Matthew, Gig Harbor, WA, UNITED STATES
Darland, Gary K., Gig Harbor, WA, UNITED STATES
Lukaczer, Daniel O., Gig Harbor, WA, UNITED STATES
Lerman, Robert, Gig Harbor, WA, UNITED STATES
PI US 2002192310 A1 20021219
AI US 2002-56858 A1 20020123 (10)
PRAI US 2001-265908P 20010202 (60)
DT Utility
FS APPLICATION
LN.CNT 2359
INCL INCLM: 424/745.000
INCLS: 424/757.000; 424/756.000; 514/023.000; 514/027.000; 514/053.000; 424/755.000; 514/733.000
NCL NCLM: 424/745.000
NCLS: 424/757.000; 424/756.000; 514/023.000; 514/027.000; 514/053.000; 424/755.000; 514/733.000
IC [7]
ICM: A61K035-78
ICS: A61K031-70; A61K031-05
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 19 USPATFULL
AN 2002:301167 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002168711 A1 20021114
AI US 2001-764868 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
US 2000-180628P 20000204 (60)
US 2000-214886P 20000628 (60)
US 2000-217487P 20000711 (60)
US 2000-225758P 20000814 (60)
US 2000-220963P 20000726 (60)
US 2000-217496P 20000711 (60)
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US 2000-237040P 20001002 (60)
US 2000-240960P 20001020 (60)

US 2000-239935P 20001013 (60)
DT Utility
FS APPLICATION
LN.CNT 31967
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/320.100; 435/183.000; 530/350.000; 536/023.100
NCL NCLM: 435/069.100
NCLS: 435/325.000; 435/320.100; 435/183.000; 530/350.000; 536/023.100
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N009-00; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 19 USPATFULL
AN 2002:112541 USPATFULL
TI Proteins related to schizophrenia and uses thereof
IN St. George-Hyslop, Peter H., Toronto, CANADA
Fraser, Paul E., Toronto, CANADA
PA The Governing Council of the University of Toronto (non-U.S. corporation)
PI US 2002058276 A1 20020516
AI US 2001-945258 A1 20010831 (9)
PRAI US 2000-229889P 20000901 (60)
DT Utility
FS APPLICATION
LN.CNT 2909
INCL INCLM: 435/006.000
INCLS: 424/009.200; 800/003.000
NCL NCLM: 435/006.000
NCLS: 424/009.200; 800/003.000
IC [7]
ICM: C12Q001-68
ICS: A61K049-00; A01K067-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 19 PCTFULL COPYRIGHT 2003 Univentio
AN 2002099062 PCTFULL ED 20021218 EW 200250
TIEN NOVEL ANTIBODIES THAT BIND TO ANTIGENIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING THE ANTIGENS, AND METHODS OF USE
TIFR NOUVEAUX ANTICORPS SE FIXANT A DES POLYPEPTIDES ANTIGENIQUES, ACIDES NUCLEIQUES CODANT LES ANTIGENES ET MODES D'UTILISATION
IN ANDERSON, David, W., 85 Montoya Drive, Branford, CT 06405, US [US, US];
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SPYTEK, Kimberly, A., 28 Court Street, Number 1, New Haven, CT 06511, US [US, US], for US only;
LEITE, Mario, W., 756 Orange Avenue, Milford, CT 06460, US [US, US], for US only;
RASTELLI, Luca, 52 Pepperbush Lane, Guilford, CT 06437, US [IT, US], for US only;
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MILLER, Charles, E., 98 Saddle Hill Drive, Guilford, CT 06437, US [US, US], for US only;
SHENOY, Suresh, G., 15 Millwood Drive, Branford, CT 06405, US [IN, US], for US only;
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[HU, US], for US only;
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SMITHSON, Glennda, 125 Michael Drive, Guildford, CT 06435, US [US, US], for US only;
EDINGER, Shlomit, R., 766 Edgewood Avenue, New Haven, CT 06515, US [US, US], for US only;
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ELLERMAN, Karen, 87 Montoya Drive, Branford, CT 06405, US [US, US], for US only

AG ELRIFI, Ivor, R., Mintz, Levin, Cohn, Ferris, Glovsky, and Popeo, P., C., One Financial Center, Boston, MA 02111, US

LAF English

LA English

DT Patent

PI WO 2002099062 A2 20021212

DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
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NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ
UA UG US UZ VN YU ZA ZM ZW
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RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

AI WO 2002-US17559 A 20020604

PRAI US 2001-60/295,607 20010604
US 2001-60/296,418 20010606
US 2001-60/296,404 20010606
US 2001-60/296,575 20010607
US 2001-60/297,414 20010611
US 2001-60/297,573 20010612
US 2001-60/297,567 20010612
US 2001-60/298,285 20010614
US 2001-60/298,556 20010615
US 2001-60/298,528 20010615
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US 2001-60/337,524 20011116
US 2001-60/341,143 20011214
US 2002-60/359,151 20020221
US 2002-60/358,643 20020221
US 2002-60/361,195 20020228
US 2002-60/361,964 20020305
US 2002-60/371,523 20020410
US 2002-60/371,346 20020410
US 2002-10/161,493 20020603

L5 ANSWER 8 OF 19 PCTFULL COPYRIGHT 2003 Univentio

AN 2002062367 PCTFULL ED 20020827 EW 200233

TIEN MEDICAL COMPOSITION FOR MANAGING HORMONE BALANCE

TIFR COMPOSITION MEDICALE DESTINEE AU MAINTIEN DE L'EQUILIBRE HORMONAL

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LAF English

LA English

DT Patent

PI WO 2002062367 A1 20020815

DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
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NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ
UA UG UZ VN YU ZA ZM ZW
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
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RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

AI WO 2002-US2295 A 20020125

PRAI US 2001-60/265,908 20010202
US 2002-10/056,858 20020123

ICM A61K035-78

L5 ANSWER 9 OF 19 PCTFULL COPYRIGHT 2003 Univentio

AN 2002046385 PCTFULL ED 20020624 EW 200224

TIEN ENZYMES

TIFR ENZYMES

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GANDHI, Ameena, R., 705 5th Avenue, San Francisco, CA 94118, US (US, US), for US only;
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YAO, Monique, G., 1189 Woodgate Drive, Carmel, IN 46033, US (US, US), for US only;
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LAF English
LA English
DT Patent
PI WO 2002046385 A2 20020613
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
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RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2001-US47432 A 20011204
PRAI US 2000-60/251,824 20001207
US 2000-60/254,312 20001208
US 2000-60/255,773 20001214
US 2000-60/256,188 20001215
US 2000-60/255,940 20001215
US 2000-60/257,488 20001221
US 2001-60/262,839 20010119
US 2001-60/264,402 20010126
ICM C12N009-00

L5 ANSWER 10 OF 19 PCTFULL COPYRIGHT 2003 Univentio
AN 2002029113 PCTFULL ED 20020627 EW 200215
TIEN METHODS FOR MONITORING MULTIPLE GENE EXPRESSION
TIFR METHODES DE SURVEILLANCE DE L'EXPRESSION GENETIQUE MULTIPLE
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LAF English
LA English
DT Patent
PI WO 2002029113 A2 20020411
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
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RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2001-US31437 A 20011005
PRAI US 2000-09/680,598 20001006
US 2001-60/279,526 20010327
ICM C12Q001-68

L5 ANSWER 11 OF 19 PCTFULL COPYRIGHT 2003 Univentio
AN 2002018434 PCTFULL ED 20020705 EW 200210
TIEN PROTEINS RELATED TO SCHIZOPHRENIA AND USES THEREOF
TIFR PROTEINES LIEES A LA SCHIZOPHRENIE ET UTILISATIONS DE CELLES-CI
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LAF English
LA English
DT Patent
PI WO 2002018434 A2 20020307
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
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RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2001-CA1243 A 20010831
PRAI US 2000-60/229,889 20000901
ICM C07K014-47

L5 ANSWER 12 OF 19 PCTFULL COPYRIGHT 2003 Univentio
AN 2002006339 PCTFULL ED 20020814
TIEN NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
TIFR NOUVELLES PROTEINES ET ACIDES NUCLEIQUES LES CODANT
IN SPADERNA, Steven, K.;
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SHENOY, Suresh;
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ZERHUSEN, Bryan;
PATTURAJAN, Meera;
TAUPIER, Raymond, J.;
RASTELLI, Luca;
GROSSE, William, M.;
SZEKERES, Edward, S.;
ALSOBROOK, John, II;
LEPLEY, Denise, M.;

SHEN, Lei;
BURGESS, Catherine, E.;
SHIMKETS, Richard, A.;
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SPYTEK, Kimberly;
ZERHUSEN, Bryan;
PATTURAJAN, Meera;
TAUPIER, Raymond, J.;
RASTELLI, Luca;
GROSSE, William, M.;
SZEKERES, Edward, S.;
ALSOBROOK, John, II;
LEPLEY, Denise, M.;
SHEN, Lei;
BURGESS, Catherine, E.;
SHIMKETS, Richard, A.;
PADIGARU, Muralidhara
DT Patent
PI WO 2002006339 A2 20020124
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE
KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO
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KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC
NL PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 2001-US21249 A 20010703
PRAI US 2000-60/215,854 20000703
US 2000-60/215,856 20000703
US 2000-60/215,902 20000703
US 2000-60/216,585 20000707
US 2000-60/216,586 20000707
US 2000-60/216,722 20000707
US 2000-60/218,622 20000717
US 2000-60/218,992 20000717
US 2000-60/221,285 20000727
US 2001-60/268,734 20010214
US 2001-60/274,260 20010308
US 2001-60/279,856 20010329
ICM C07K014-47

L5 ANSWER 13 OF 19 PCTFULL COPYRIGHT 2003 Univentio
AN 2001054733 PCTFULL ED 20020827
TIEN NUCLEIC ACIDS, PROTEINS AND ANTIBODIES
TIFR ACIDES NUCLEIQUES, PROTEINES ET ANTICORPS
IN ROSEN, Craig, A.;
BARASH, Steven, C.;
RUBEN, Steven, M.
PA HUMAN GENOME SCIENCES, INC.;
ROSEN, Craig, A.;
BARASH, Steven, C.;
RUBEN, Steven, M.
DT Patent
PI WO 2001054733 A1 20010802
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE
DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG
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YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE TR BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 2001-US1312 A 20010117
PRAI US 2000-60/179,065 20000131
US 2000-60/180,628 20000204
US 2000-60/184,664 20000224
US 2000-60/186,350 20000302
US 2000-60/189,874 20000316
US 2000-60/190,076 20000317
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US 2000-60/249,211 20001117
US 2000-60/249,215 20001117
US 2000-60/249,218 20001117
US 2000-60/249,208 20001117
US 2000-60/249,213 20001117
US 2000-60/249,212 20001117
US 2000-60/249,207 20001117
US 2000-60/249,245 20001117
US 2000-60/249,244 20001117
US 2000-60/249,297 20001117
US 2000-60/249,214 20001117
US 2000-60/249,264 20001117
US 2000-60/249,209 20001117
US 2000-60/249,300 20001117
US 2000-60/249,265 20001117
US 2000-60/250,391 20001201
US 2000-60/250,160 20001201
US 2000-60/256,719 20001205
US 2000-60/251,030 20001205
US 2000-60/251,988 20001205
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US 2000-60/251,869 20001208
US 2000-60/251,856 20001208
US 2000-60/251,868 20001208
US 2000-60/251,990 20001208
US 2000-60/251,989 20001208
US 2000-60/254,097 20001211
US 2001-60/259,678 20010105
ICM A61K048-00
ICS C12N005-00

L5 ANSWER 14 OF 19 PCTFULL COPYRIGHT 2003 Univentio
AN 2001025473 PCTFULL ED 20020820
TIEN SYSTEMS AND METHODS FOR CHARACTERIZING A BIOLOGICAL CONDITION OR AGENT USING CALIBRATED GENE EXPRESSION PROFILES
TIFR SYSTEMES ET TECHNIQUES PERMETTANT DE CARACTERISER UN ETAT OU UN AGENT BIOLOGIQUE PAR EXPRESSION GENIQUE CALIBREE
IN TRYON, Victor;
BEVILACQUA, Michael, P.;
BANKAITIS-DAVIS, Danute, M.;
CHERONIS, John
PA SOURCE PRECISION MEDICINE, INC.;
TRYON, Victor
DT Patent
PI WO 2001025473 A1 20010412
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 2000-US17846 A 20000628
PRAI US 1999-60/141,542 19990628
US 2000-60/195,522 20000407
ICM C12Q001-00
ICS C12Q001-68

L5 ANSWER 15 OF 19 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:474509 BIOSIS
DN PREV200100474509
TI Expression of novel germ cell gene **SPAF** at conversion to squamous cell carcinoma.
AU Liu, Y. (1); Wang, Z. (1); Kulesz-Martin, M. (1)
CS (1) Dermatology, Oregon Health Sciences University, Portland, OR USA
SO Journal of Investigative Dermatology, (August, 2001) Vol. 117, No. 2, pp. 475. print.
Meeting Info.: 62nd Annual Meeting of the Society for Investigative Dermatology Washington, DC, USA May 09-12, 2001
ISSN: 0022-202X.
DT Conference
LA English
SL English

L5 ANSWER 16 OF 19 PCTFULL COPYRIGHT 2003 Univentio
AN 2000072854 PCTFULL ED 20020515
TIEN A DIETARY SUPPLEMENT CONTAINING VANADYL SULFATE, ALPHA-LIPOIC ACID, AND TAURINE
TIFR COMPLEMENT ALIMENTAIRE CONTENANT UN SULFATE VANADYL, UN ACIDE ALPHA-LIPOIQUE ET UNE TAURINE
IN PACIORETTY, LindaRP : SINDER, Stuart, J.
PA BIONEXUS, LTD.;
PACIORETTY, Linda
LA English
DT Patent

```
PI     WO 2000072854        A1 20001207
DS     W:          AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
                   DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
                   KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
                   PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU
                   ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW AM AZ BY KG KZ MD
                   RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
                   SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI     WO 2000-US15196      A  20000602
PRAI   US 1999-60/137,080       19990602

L5     ANSWER 17 OF 19   PCTFULL   COPYRIGHT 2003 Univentio
AN     2000060069 PCTFULL  ED 20020515
TIEN   A PRESENILIN ASSOCIATED MEMBRANE PROTEIN AND USES THEREOF
TIFR   PROTEINE MEMBRANAIRE ASSOCIEE A LA PRESENILINE ET SES UTILISATIONS
IN     ST. GEORGE-HYSLOP, Peter, H.;
       FRASER, Paul, E.
PA     THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO
LA     English
DT     Patent
PI     WO 2000060069        A1 20001012
DS     W:          AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
                   DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
                   KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT
                   RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
                   GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM
                   AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
                   CF CG CI CM GA GN GW ML MR NE SN TD TG
AI     WO 2000-CA354        A  20000403
PRAI   US 1999-60/127,452       19990401
       US 1999-60/173,826       19991230
ICM    C12N015-12
ICS    C07K014-705; A01K067-027; C12N005-10; C12Q001-68; G01N033-50

L5     ANSWER 18 OF 19     MEDLINE                        DUPLICATE 3
AN     2000200628      MEDLINE
DN     20200628    PubMed ID: 10734318
TI     SPAF, a new AAA-protein specific to early spermatogenesis and
       malignant conversion.
AU     Liu Y; Black J; Kisiel N; Kulesz-Martin M F
CS     Program of Biochemistry and Department of Pharmacology and Therapeutics,
       Roswell Park Cancer Institute, Elm & Carlton Streets, Buffalo, New York,
       NY 14263, USA.
NC     CA16056 (NCI)
       RO1CA31101 (NCI)
SO     ONCOGENE, (2000 Mar 16) 19 (12) 1579-88.
       Journal code: 8711562. ISSN: 0950-9232.
CY     ENGLAND: United Kingdom
DT     Journal; Article; (JOURNAL ARTICLE)
LA     English
FS     Priority Journals
OS     GENBANK-AF049099
EM     200004
ED     Entered STN: 20000505
       Last Updated on STN: 20000505
       Entered Medline: 20000421

L5     ANSWER 19 OF 19     MEDLINE                        DUPLICATE 4
AN     94368094      MEDLINE
DN     94368094    PubMed ID: 8085823
TI     Genes involved in self-protection against the lantibiotic subtilin
       produced by Bacillus subtilis ATCC 6633.
AU     Klein C; Entian K D
CS     Institute for Microbiology, Biozentrum der Johann Wolfgang
       Goethe-Universitat, Frankfurt am Main, Federal Republic of Germany.
SO     APPLIED AND ENVIRONMENTAL MICROBIOLOGY, (1994 Aug) 60 (8) 2793-801.
       Journal code: 7605801. ISSN: 0099-2240.
CY     United States
DT     Journal; Article; (JOURNAL ARTICLE)
LA     English
FS     Priority Journals
OS     GENBANK-U09819
EM     199410
ED     Entered STN: 19941021
       Last Updated on STN: 19941021
       Entered Medline: 19941011


=> d his

     (FILE 'HOME' ENTERED AT 12:10:52 ON 20 MAR 2003)

     FILE 'MEDLINE, CANCERLIT, BIOSIS, CONFSCI, SCISEARCH, CAPLUS, EMBASE,
     USPATFULL, PCTFULL' ENTERED AT 12:11:25 ON 20 MAR 2003
L1           202 S SPAF
L2            13 S L1 AND VECTOR
L3            12 DUP REM L2 (1 DUPLICATE REMOVED)
L4            24 S L1 AND DNA
L5            19 DUP REM L4 (5 DUPLICATES REMOVED)

=> s l1 and cDNA
L6            13 L1 AND CDNA

=> dup rem l6
PROCESSING COMPLETED FOR L6
L7            12 DUP REM L6 (1 DUPLICATE REMOVED)

=> d 1-12

L7     ANSWER 1 OF 12    PCTFULL   COPYRIGHT 2003 Univentio
AN     2003014322 PCTFULL  ED 20030303  EW 200308
TIEN   PROTEINS ASSOCIATED WITH CELL GROWTH, DIFFERENTIATION, AND DEATH
TIFR   PROTEINES ASSOCIEES A LA CROISSANCE, LA DIFFERENTIATION ET LA MORT
       CELLULAIRES
IN     AZIMZAI, Yalda, 5518 Boulder Canyon Drive, Castro Valley, CA 94552, US
       [US, US];
       BARROSO, Ines, 38 Eden Street, Cambridge, Kent CB1 1EL, GB [PT, GB];
       BAUGHN, Mariah, R., 14244 Santiago Road, San Leandro, CA 94577, US [US,
       US];
       BECHA, Shanya, D., 21062 Gary Drive # 117, Castro Valley, CA 94546, US
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       US];
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       GRAUL, Richard, C., 682-29th Avenue, San Francisco, CA 94121, US [US,
       US];
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```

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YAO, Monique, G., 1189 Woodgate Drive, Carmel, IN 46033, US [US, US];
YUE, Henry, 826 Lois Avenue, Sunnyvale, CA 94087, US [US, US];
YUE, Huibin, 1170 South Stelling Road, Cupertino, CA 95014, US [US, US]
PA INCYTE GENOMICS, INC., 3160 Porter Drive, Palo Alto, CA 94304, US [US, US], for all designates States except US;
AZIMZAI, Yalda, 5518 Boulder Canyon Drive, Castro Valley, CA 94552, US [US, US], for US only;
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BAUGHN, Mariah, R., 14244 Santiago Road, San Leandro, CA 94577, US [US, US], for US only;
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BOROWSKY, Mark, L., 122 Orchard Avenue, Redwood City, CA 94061, US [US, US], for US only;
DUGGAN, Brendan, M., 243 Buena Vista Avenue # 306, Sunnyvale, CA 94086, US [AU, US], for US only;
ELLIOTT, Vicki, S., 3770 Polton Place Way, San Jose, CA 95121, US [US, US], for US only;
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FORSYTHE, Ian, J., 308 Roble Avenue, Redwood City, CA 94061, US [US, US], for US only;
GIETZEN, Kimberly, J., 691 Los Huecos Drive, San Jose, CA 95123, US [US, US], for US only;
GORVAD, Ann, E., 369 Marie Common, Livermore, CA 94550, US [US, US], for US only;
GRAUL, Richard, C., 682-29th Avenue, San Francisco, CA 94121, US [US, US], for US only;
GRIFFIN, Jennifer, A., 33691 Mello Way, Fremont, CA 94555, US [US, US], for US only;
GURURAJAN, Rajagopal, 5591 Dent Avenue, San Jose, CA 95118, US [IN, US], for US only;
HAFALIA, April, J.A., 2227 Calle de Primavera, Santa Clara, CA 95054, US [US, US], for US only;
ISON, Craig, H., 1242 Weathersfield Way, San Jose, CA 95118, US [US, US], for US only;
KABLE, Amy, E., 2345 Polk Street #4, San Francisco, CA 94109, US [US, US], for US only;
KHAN, Farrah, A., 3617 Central Road #102, Glenview, IL 60025, US [IN, US], for US only;
LEE, Sally, 3643 26th Street, San Francisco, CA 94110, US [US, US], for US only;
LEE, Soo Yeun, 40 Westdale Avenue, Daly City, CA 94015, US [KR, US], for US only;
LI, Joana, X., 1264 Geneva Avenue, San Francisco, CA 94112, US [US, US], for US only;
REDDY, Roopa, 1233 West McKinley Drive # 3, Sunnyvale, CA 94086, US [IN, US], for US only;
RICHARDSON, Thomas, W., 616 Canyon Road #107, Redwood City, CA 94062, US [US, US], for US only;
SPRAGUE, William, W., 611 13th Street # C, Sacramento, CA 95814, US [US, US], for US only;
SWARNAKAR, Anita, 8 Locksley Avenue #5D, San Francisco, CA 94122, US [CA, US], for US only;
TANG, Y. Tom, 4230 Ranwick Court, San Jose, CA 95118, US [US, US], for US only;
WARREN, Bridget, A., 1810 S. El Camino Real #B103, Encinitas, CA 94024, US [US, US], for US only;
XU, Yuming, 1739 Walnut Drive, Mountain View, CA 94040, US [US, US], for US only;
YAO, Monique, G., 1189 Woodgate Drive, Carmel, IN 46033, US [US, US], for US only;
YUE, Henry, 826 Lois Avenue, Sunnyvale, CA 94087, US [US, US], for US only;
YUE, Huibin, 1170 South Stelling Road, Cupertino, CA 95014, US [US, US], for US only
AG HAMLET-COX, Diana, Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto, CA 94304, US
LAF English
LA English
DT Patent
PI WO 2003014322 A2 20030220
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2002-US25465 A 20020808
PRAI US 2001-60/311,017 20010808
US 2001-60/313,070 20010817
US 2001-60/313,071 20010817
US 2001-60/314,678 20010824
US 2001-60/316,692 20010831
US 2001-60/317,913 20010907
US 2001-60/322,182 20010914
US 2001-60/340,747 20011207
US 2001-60/342,761 20011220
US 2002-60/369,129 20020329

L7 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1
AN 2002:755245 CAPLUS
DN 137:274175
TI DNA, cDNA and protein sequences of spermatogenesis assocd. factors a method for diagnosis of cancer
IN Kulesz-Martin, Molly F.; Liu, Yuangang
PA USA
SO U.S. Pat. Appl. Publ., 42 pp., Cont.-in-part of U.S. Ser. No. 777,753.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2002143169	A1	20021003	US 2001-850697	20010508

PRAI US 1997-938308 B2 19970927
US 2001-777753 A2 20010206

L7 ANSWER 3 OF 12 USPATFULL
AN 2002:301167 USPATFULL
TI Nucleic acids, proteins, and antibodies
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Barash, Steven C., Rockville, MD, UNITED STATES
PI US 2002168711 A1 20021114
AI US 2001-764868 A1 20010117 (9)
PRAI US 2000-179065P 20000131 (60)
US 2000-180628P 20000204 (60)
US 2000-214886P 20000628 (60)
US 2000-217487P 20000711 (60)
US 2000-225758P 20000814 (60)
US 2000-220963P 20000726 (60)
US 2000-217496P 20000711 (60)
US 2000-225447P 20000814 (60)
US 2000-218290P 20000714 (60)
US 2000-225757P 20000814 (60)
US 2000-226868P 20000822 (60)
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US 2000-234274P 20000921 (60)
US 2000-234223P 20000921 (60)
US 2000-228924P 20000830 (60)
US 2000-224518P 20000814 (60)
US 2000-236369P 20000929 (60)
US 2000-224519P 20000814 (60)
US 2000-220964P 20000726 (60)
US 2000-241809P 20001020 (60)
US 2000-249299P 20001117 (60)
US 2000-236327P 20000929 (60)
US 2000-241785P 20001020 (60)
US 2000-244617P 20001101 (60)
US 2000-225268P 20000814 (60)
US 2000-236368P 20000929 (60)
US 2000-251856P 20001208 (60)
US 2000-251868P 20001208 (60)
US 2000-229344P 20000901 (60)
US 2000-234997P 20000925 (60)
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US 2000-229287P 20000901 (60)
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US 2000-229509P 20000905 (60)
US 2000-236367P 20000929 (60)
US 2000-237039P 20001002 (60)
US 2000-237038P 20001002 (60)
US 2000-236370P 20000929 (60)
US 2000-236802P 20001002 (60)
US 2000-237037P 20001002 (60)
US 2000-237040P 20001002 (60)
US 2000-240960P 20001020 (60)
US 2000-239935P 20001013 (60)
DT Utility
FS APPLICATION
LN.CNT 31967
INCL INCLM: 435/069.100
INCLS: 435/325.000; 435/320.100; 435/183.000; 530/350.000; 536/023.100
NCL NCLM: 435/069.100
NCLS: 435/325.000; 435/320.100; 435/183.000; 530/350.000; 536/023.100
IC [7]
ICM: C12P021-02
ICS: C12N005-06; C07H021-04; C12N009-00; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 4 OF 12 USPATFULL
AN 2002:112541 USPATFULL
TI Proteins related to schizophrenia and uses thereof
IN St. George-Hyslop, Peter H., Toronto, CANADA
Fraser, Paul E., Toronto, CANADA
PA The Governing Council of the University of Toronto (non-U.S. corporation)
PI US 2002058276 A1 20020516
AI US 2001-945258 A1 20010831 (9)
PRAI US 2000-229889P 20000901 (60)
DT Utility
FS APPLICATION
LN.CNT 2909
INCL INCLM: 435/006.000
INCLS: 424/009.200; 800/003.000
NCL NCLM: 435/006.000
NCLS: 424/009.200; 800/003.000
IC [7]
ICM: C12Q001-68
ICS: A61K049-00; A01K067-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 5 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2002099062 PCTFULL ED 20021218 EW 200250
TIEN NOVEL ANTIBODIES THAT BIND TO ANTIGENIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING THE ANTIGENS, AND METHODS OF USE
TIFR NOUVEAUX ANTICORPS SE FIXANT A DES POLYPEPTIDES ANTIGENIQUES, ACIDES NUCLEIQUES CODANT LES ANTIGENES ET MODES D'UTILISATION
IN ANDERSON, David, W., 85 Montoya Drive, Branford, CT 06405, US (US, US);
ZERHUSEN, Bryan, D., 337 Monticello Drive, Branford, CT 06405, US (US, US);
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GERLACH, Valerie, L., 18 Rock Pasture Road, Branford, CT 06405, US (US, US);
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GORMAN, Linda, 329 Monticello Drive, Branford, CT 06405, US (US, US);
PENA, Carol, E., A., 604 Orange Street, Number 2, New Haven, CT 06511, US (US, US);
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PATTURAJAN, Meera, 45 Harrison Avenue, Apartment 1C, Branford, CT 06405, US (IN, US);
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RASTELLI, Luca, 52 Pepperbush Lane, Guilford, CT 06437, US (IT, US);
MACDOUGALL, John, R., 117 Russell Street, Hamden, CT 06517, US (CA, US);
TAUPIER, Raymond, J., Jr., 34 Pardee Place Extension, East Haven, CT 06512, US (US, US);
GUO, Xiaojia, 713 Robert Frost Drive, Branford, CT 06405, US (CN, US);
MILLER, Charles, E., 98 Saddle Hill Drive, Guilford, CT 06437, US (US, US);
SHENOY, Suresh, G., 15 Millwood Drive, Branford, CT 06405, US (IN, US);

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MALYANKAR, Uriel, M., 229 Branford Road, Number 330, Branford, CT 06405, US [IN, US];
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PA CURAGEN CORPORATION, 555 Long Wharf Drive, 11th floor, New Haven, CT 06511, US [US, US], for all designates States except US;
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LEITE, Mario, W., 756 Orange Avenue, Milford, CT 06460, US [US, US], for US only;
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HJALT, Tord, 514 Main Street, Apartment 30, East Haven, CT 06512, US [SE, US], for US only;
VOSS, Edward, Z., 123 Knollwood Drive, Wallingford, CT 06492, US [US, US], for US only;
BOLDOG, Ferenc, L., 1687 Hartford Tumpike, North Haven, CT 06473, US [HU, US], for US only;
MALYANKAR, Uriel, M., 229 Branford Road, Number 330, Branford, CT 06405, US [IN, US], for US only;
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SMITHSON, Glennda, 125 Michael Drive, Guildford, CT 06435, US [US, US], for US only;
EDINGER, Shlomit, R., 766 Edgewood Avenue, New Haven, CT 06515, US [US, US], for US only;
MILLET, Isabelle, 74 Carrington Avenue, Milford, CT 06460, US [FR, US], for US only;
ELLERMAN, Karen, 87 Montoya Drive, Branford, CT 06405, US [US, US], for US only
AG ELRIFI, Ivor, R., Mintz, Levin, Cohn, Ferris, Glovsky, and Popeo, P., C., One Financial Center, Boston, MA 02111, US
LAF English
LA English
DT Patent
PI WO 2002099062 A2 20021212
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
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PRAI US 2001-60/295,607 20010604
US 2001-60/296,418 20010606
US 2001-60/296,404 20010606
US 2001-60/296,575 20010607
US 2001-60/297,414 20010611
US 2001-60/297,573 20010612
US 2001-60/297,567 20010612
US 2001-60/298,285 20010614
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US 2001-60/341,143 20011214
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US 2002-60/358,643 20020221
US 2002-60/361,195 20020228
US 2002-60/361,964 20020305
US 2002-60/371,523 20020410
US 2002-60/371,346 20020410
US 2002-10/161,493 20020603

L7 ANSWER 6 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2002046385 PCTFULL ED 20020624 EW 200224
TIEN ENZYMES
TIFR ENZYMES
IN TANG, Y., Tom, 4230 Ranwick Court, San Jose, CA 95118, US [US, US];
GRIFFIN, Jennifer, A., 33691 Mello Way, Fremont, CA 94555, US [US, US];
YUE, Henry, 826 Lois Avenue, Sunnyvale, CA 94087, US [US, US];
LEE, Ernestine, A., 624 Kains Street, Albany, CA 94706, US [US, US];
BAUGHN, Mariah, R., 14344 Santiago Road, San Leandro, CA 94577, US [US,

US];
DUGGAN, Brendan, M., 243 Buena Vista Avenue #306, Sunnyvale, CA 94086, US [AU, US];
WALIA, Narinder, K., 890 Davis Street, #205, San Leandro, CA 94577, US [US, US];
LEE, Sally, 825 East Evelyn, #425, Sunnyvale, CA 94086, US [US, US];
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WARREN, Bridget, A., 10130 Parkwood Drive #2, Cupertino, CA 95014, US [US, US];
GANDHI, Ameena, R., 705 5th Avenue, San Francisco, CA 94118, US [US, US];
LU, Dyung, Aina, M., 233 Coy Drive, San Jose, CA 95123, US [US, US];
LU, Yan, 3885 Corrina Way, Palo Alto, CA 94303, US [CN, US];
YAO, Monique, G., 1189 Woodgate Drive, Carmel, IN 46033, US [US, US];
DING, Li, 3353 Alma Street #146, Palo Alto, CA 94306, US [CN, US];
TRIBOULEY, Catherine, M., 1121 Tennessee Street, #5, San Francisco, CA 94107, US [FR, US];
SANJANWALA, Madhu, M., 210 Sylvia Court, Los Altos, CA 94024, US [US, US];
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HILLMAN, Jennifer, L., 230 Monroe Drive, #17, Mountain View, CA 94040, US [US, US]

PA INCYTE GENOMICS, INC., 3160 Porter Drive, Palo Alto, CA 94304, US [US, US], for all designates States except US;
TANG, Y., Tom, 4230 Ranwick Court, San Jose, CA 95118, US [US, US], for US only;
GRIFFIN, Jennifer, A., 33691 Mello Way, Fremont, CA 94555, US [US, US], for US only;
YUE, Henry, 826 Lois Avenue, Sunnyvale, CA 94087, US [US, US], for US only;
LEE, Ernestine, A., 624 Kains Street, Albany, CA 94706, US [US, US], for US only;
BAUGHN, Mariah, R., 14244 Santiago Road, San Leandro, CA 94577, US [US, US], for US only;
DUGGAN, Brendan, M., 243 Buena Vista Avenue #306, Sunnyvale, CA 94086, US [AU, US], for US only;
WALIA, Narinder, K., 890 Davis Street, #205, San Leandro, CA 94577, US [US, US], for US only;
LEE, Sally, 825 East Evelyn, #425, Sunnyvale, CA 94086, US [US, US], for US only;
RAMKUMAR, Jayalaxmi, 34359 Maybird Circle, Fremont, CA 94555, US [IN, US], for US only;
WARREN, Bridget, A., 10130 Parkwood Drive #2, Cupertino, CA 95014, US [US, US], for US only;
GANDHI, Ameena, R., 705 5th Avenue, San Francisco, CA 94118, US [US, US], for US only;
LU, Dyung, Aina, M., 233 Coy Drive, San Jose, CA 95123, US [US, US], for US only;
LU, Yan, 3885 Corrina Way, Palo Alto, CA 94303, US [CN, US], for US only;
YAO, Monique, G., 1189 Woodgate Drive, Carmel, IN 46033, US [US, US], for US only;
DING, Li, 3353 Alma Street #146, Palo Alto, CA 94306, US [CN, US], for US only;
TRIBOULEY, Catherine, M., 1121 Tennessee Street, #5, San Francisco, CA 94107, US [FR, US], for US only;
SANJANWALA, Madhu, M., 210 Sylvia Court, Los Altos, CA 94024, US [US, US], for US only;
ARVIZU, Chandra, 490 Sherwood Way #1, Menlo Park, CA 94025, US [US, US], for US only;
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AG HAMLET-COX, Diana, Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto, CA 94304, US

LAF English
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PI WO 2002046385 A2 20020613
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AI WO 2001-US47432 A 20011204
PRAI US 2000-60/251,824 20001207
US 2000-60/254,312 20001208
US 2000-60/255,773 20001214
US 2000-60/256,188 20001215
US 2000-60/255,940 20001215
US 2000-60/257,488 20001221
US 2001-60/262,839 20010119
US 2001-60/264,402 20010126
ICM C12N009-00

L7 ANSWER 7 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2002029113 PCTFULL ED 20020627 EW 200215
TIEN METHODS FOR MONITORING MULTIPLE GENE EXPRESSION
TIFR METHODES DE SURVEILLANCE DE L'EXPRESSION GENETIQUE MULTIPLE
IN BERKA, Randy, 3609 Modoc, Davis, CA 95616, US;
CLAUSEN, Ib, Groth, Fyrrestein 6, DK-3400 Hillerod, DK
PA NOVOZYMES BIOTECH, INC., 1445 Drew Avenue, Davis, CA 95616, US [US, US];
NOVOZYMES A/S, Krogshoejvej 36, DK-2880 Bagsvaerd, DK [DK, DK]
AG STARNES, Robert, Novozymes Biotech, Inc., 1445 Drew Avenue, Davis, CA 95616, US
LAF English
LA English
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PI WO 2002029113 A2 20020411
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AI WO 2001-US31437 A 20011005
PRAI US 2000-09/680,598 20001006
US 2001-60/279,526 20010327
ICM C12Q001-68

L7 ANSWER 8 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2002018434 PCTFULL ED 20020705 EW 200210
TIEN PROTEINS RELATED TO SCHIZOPHRENIA AND USES THEREOF
TIFR PROTEINES LIEES A LA SCHIZOPHRENIE ET UTILISATIONS DE CELLES-CI
IN ST.GEORGE-HYSLOP, Peter, H., 210 Richview Avenue, Toronto, Ontario M5P 3G3, CA;
FRASER, Paul, E., 611 Windermere Avenue, Toronto, Ontario M6S 3L9, CA
PA THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, Simcoe Hall, Room 133S, 27 King's College Circle, Toronto, Ontario M5S 1A1, CA [CA, CA]
AG RAE, Patricia, A., Sim & McBurney, 330 University Avenue, 6th Floor, Toronto, Ontario M5G 1R7, CA
LAF English
LA English

DT Patent
PI WO 2002018434 A2 20020307
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ
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RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2001-CA1243 A 20010831
PRAI US 2000-60/229,889 20000901
ICM C07K014-47

L7 ANSWER 9 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2002006339 PCTFULL ED 20020814
TIEN NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
TIFR NOUVELLES PROTEINES ET ACIDES NUCLEIQUES LES CODANT
IN SPADERNA, Steven, K.;
TCHERNEV, Velizar;
LIU, Xiaohong;
SHENOY, Suresh;
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ZERHUSEN, Bryan;
PATTURAJAN, Meera;
TAUPIER, Raymond, J.;
RASTELLI, Luca;
GROSSE, William, M.;
SZEKERES, Edward, S.;
ALSOBROOK, John, II;
LEPLEY, Denise, M.;
SHEN, Lei;
BURGESS, Catherine, E.;
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SPYTEK, Kimberly;
ZERHUSEN, Bryan;
PATTURAJAN, Meera;
TAUPIER, Raymond, J.;
RASTELLI, Luca;
GROSSE, William, M.;
SZEKERES, Edward, S.;
ALSOBROOK, John, II;
LEPLEY, Denise, M.;
SHEN, Lei;
BURGESS, Catherine, E.;
SHIMKETS, Richard, A.;
PADIGARU, Muralidhara
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AI WO 2001-US21249 A 20010703
PRAI US 2000-60/215,854 20000703
US 2000-60/215,856 20000703
US 2000-60/215,902 20000703
US 2000-60/216,585 20000707
US 2000-60/216,586 20000707
US 2000-60/216,722 20000707
US 2000-60/218,622 20000717
US 2000-60/218,992 20000717
US 2000-60/221,285 20000727
US 2001-60/268,734 20010214
US 2001-60/274,260 20010308
US 2001-60/279,856 20010329
ICM C07K014-47

L7 ANSWER 10 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2001054733 PCTFULL ED 20020827
TIEN NUCLEIC ACIDS, PROTEINS AND ANTIBODIES
TIFR ACIDES NUCLEIQUES, PROTEINES ET ANTICORPS
IN ROSEN, Craig, A.;
BARASH, Steven, C.;
RUBEN, Steven, M.
PA HUMAN GENOME SCIENCES, INC.;
ROSEN, Craig, A.;
BARASH, Steven, C.;
RUBEN, Steven, M.
DT Patent
PI WO 2001054733 A1 20010802
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE
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AI WO 2001-US1312 A 20010117
PRAI US 2000-60/179,065 20000131
US 2000-60/180,628 20000204
US 2000-60/184,664 20000224
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US 2000-60/190,076 20000317
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US 2000-60/254,097 20001211
US 2001-60/259,678 20010105
ICM A61K048-00
ICS C12N005-00

L7 ANSWER 11 OF 12 PCTFULL COPYRIGHT 2003 Univentio
AN 2000060069 PCTFULL ED 20020515
TIEN A PRESENILIN ASSOCIATED MEMBRANE PROTEIN AND USES THEREOF
TIFR PROTEINE MEMBRANAIRE ASSOCIEE A LA PRESENILINE ET SES UTILISATIONS
IN ST. GEORGE-HYSLOP, Peter, H.;
FRASER, Paul, E.
PA THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO
LA English
DT Patent
PI WO 2000060069 A1 20001012
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AI WO 2000-CA354 A 20000403
PRAI US 1999-60/127,452 19990401
US 1999-60/173,826 19991230
ICM C12N015-12
ICS C07K014-705; A01K067-027; C12N005-10; C12Q001-68; G01N033-50

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L7   ANSWER 12 OF 12  CAPLUS  COPYRIGHT 2003 ACS
AN   2000:242308  CAPLUS
DN   133:29064
TI   SPAF, a new AAA-protein specific to early spermatogenesis and
     malignant conversion
AU   Liu, Yuangang; Black, Jennifer; Kisiel, Nicholas; Kulesz-Martin, Molly F.
CS   Program of Biochemistry and Department of Pharmacology and Therapeutics,
     Roswell Park Cancer Institute, Buffalo, NY, 14263, USA
SO   Oncogene (2000), 19(12), 1579-1588
     CODEN: ONCNES; ISSN: 0950-9232
PB   Nature Publishing Group
DT   Journal
LA   English
RE.CNT  44    THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


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